

DOCUMENT DATA FORM

Your Name: Nick Carino

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*Drawing Book 7, chapters 3 and 4: Floor plans and details*

Include work order no. and floor no. if applicable

Roll # DB03

Doc. ID (report #, dwg. #):

Document Date:

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SHC&R

KEYWORDS - HIGHLIGHT ALL THAT APPLY

<b>Level 1</b>			
Bankers Trust	Project 4	WTC 1 - North Tower	Add
Below Grade	Project 5	WTC 2 - South Tower	
Concourse	Project 6	WTC 3 - Marriot Hotel	
Electrical Substation	Project 7	WTC 4 - South Plaza Bldg.	
Liberty Plaza	Project 8	WTC 5 - North Plaza Bldg	
PATH Station	WFC 1 - Oppenheimer Dow	WTC 6 - Customs House	
PATH Terminal	WFC 2 - Tower B	WTC 7	
Project 1	WFC 3 - American Express	WTC Complex	
Project 2	WFC 4 - Tower D	WTC Plaza	
Project 3			

<b>Level 2</b>			
Accident analysis & risk	Fire protection	Misc. Performance Problems	Structural
Architectural	Fire service	News coverage	Tenant alterations
Data request	Landscaping	Police	Tenant Space
Emergency management	Management	Security	Add
Evacuation	Mech./elec.		

<b>Level 3</b>				
1993 explosion	Cranes	Frame	Roof	Weight
A/E fitout	Criteria	Frame analysis	Safety	Weld detail
A-242	Dampers	Frequency	Schedule	Weld size
A-36	Debris	Fuel	Sculpture	Welding
A-497	Deck	Furniture layout	Security system	Wind
Aircraft impact	Deflection	Generators	Shear knuckle	Windows
Air cooled condensers	Demolition	Guidelines	Shear test	Yield strength
Analysis	Design	Gypsum board	Shear Stud	Add
Angles	Detailing	Hat truss	Shop drawings	Drawing books
Antenna	Doors	Human comfort	Shortening	
Artifacts	Drawings	HVAC	Slab	
Asbestos	Eastern States Steel	Index	Slurry wall	
Base plate	Egress	Inspection	Smoke control	
Beams	Elevator	Insulation	Smoke test	
Bid documents	Elevator Shaft	Job number	Spandrel beam	
Bid Invitation	Emergency	Joist	Specifications	
Bow tie	communications	L-50	Splices	
Bracing	Equipment	Lighting	Sprinkler	
Bridging truss	Erection marks	Loads	Stability	
Building code	Errors & Omissions	Maintenance	Stairways	
Calculations	Escalator	Marking	Standards	
Carpet	Expansion joint	Mesh reinforcement	Steel	
Ceilings	Exterior columns	Mill inspection	Steel composition	
Certification	Fabrication	Model	Stiffness	
Chillers	Family member	Mullion	Structural review	
Cladding	Field survey	Operations	Surveillance	
Collapse	Fire alarms	Paint	Survey	
Columns	Fireproofing	Partition layout	Survivor	
Communication systems	Fire spread	Partitions	Tenant list	
Composite truss	Fire testing	Photos	Tenant occupancy	
Computer output	Firetower	Pipes	Testing	
Computer program	Flag Pole	Plumbing	Tie	
Concrete	Flammability	Prestressing	Tolerances	
Connections	Floor	Probability, uncertainty	Transfer Girders	
Construction	Floor load	Quality control	Triad	
Contract	Floor slab	Ramp	Truss	
Core beams	Floor system	Reinforcing	Vestibule	
Core columns	Floor trusses	(strengthening)	Vibration	
Corrosion	Formwork	Renovation	Walls	
Cracking	Foundations	Repair	Water supply	
	Fracture	Research & Development	Weather	

## REVISIONS

1-3-68

2-15-68

4-1-68

1-3-69

1-6-69

2-3-69

3-3-69

4-1-69

Printed 5-1-69

7-AB3-1 Floor Panel - Index & General Notes  
7-AB3-2 Floor Panel Dimension Schedule 1  
7-AB3-3 Floor Panel A1  
7-AB3-4 Floor Panel A1 G/E & A1 J/C  
7-AB3-5 Floor Panel B1  
7-AB3-6 Floor Panel BR1  
7-AB3-7 Floor Panel C1  
7-AB3-8 Floor Panel CR1  
7-AB3-9 Floor Panel D1  
7-AB3-10 Floor Panel DR1  
7-AB3-11 Floor Panel E1  
7-AB3-12 Floor Panel ER1  
7-AB3-13 Floor Panel F1  
7-AB3-14 Floor Panel FR1  
7-AB3-15 Floor Panel G1  
7-AB3-16 Floor Panel GR1  
7-AB3-17 Floor Panel H1  
7-AB3-18 Floor Panel HR1 & HR6  
7-AB3-19 Floor Panel J1  
7-AB3-20 Floor Panel K1  
7-AB3-21 Floor Panel KR1  
7-AB3-22 Floor Panel M1  
7-AB3-23 Floor Panel MR1  
7-AB3-24 Floor Panel Dimension Schedule 2  
7-AB3-25 Floor Panel A2  
7-AB3-26 Floor Panel B2  
7-AB3-27 Floor Panel BR2  
7-AB3-28 Floor Panel C2  
7-AB3-29 Floor Panel CR2  
7-AB3-30 Floor Panel D2  
7-AB3-31 Floor Panel DR2  
7-AB3-32 Floor Panel E2  
7-AB3-33 Floor Panel ER2  
7-AB3-34 Floor Panel F2  
7-AB3-35 Floor Panel FR2  
7-AB3-36 Floor Panel G2  
7-AB3-37 Floor Panel GR2  
7-AB3-38 Floor Panel H2  
7-AB3-39 Floor Panel HR2 & 7  
7-AB3-40 Floor Panel J2  
7-AB3-41 Floor Panel Dimension Schedule 3  
7-AB3-42 Floor Panel A3  
7-AB3-43 Floor Panel B3  
7-AB3-44 Floor Panel BR3  
7-AB3-45 Floor Panel C3  
7-AB3-46 Floor Panel CR3  
7-AB3-47 Floor Panel D3  
7-AB3-48 Floor Panel DR3  
7-AB3-49 Floor Panel E3  
7-AB3-50 Floor Panel ER3  
7-AB3-51 Floor Panel F3  
7-AB3-52 Floor Panel FR3  
7-AB3-53 Floor Panel A8  
7-AB3-54 Floor Panel B8

7-AB3-55 Floor Panel BR8  
7-AB3-56 Floor Panel C8  
7-AB3-57 Floor Panel CR8  
7-AB3-58 Floor Panel D8  
7-AB3-59 Floor Panel DR8  
7-AB3-60 Floor Panel E8  
7-AB3-61 Floor Panel ER8  
7-AB3-62 Floor Panel F8  
7-AB3-63 Floor Panel FR8  
7-AB3-70 Floor Panel Dimension Schedule 5  
7-AB3-71 Floor Panel D5  
7-AB3-72 Floor Panel DR5  
7-AB3-73 Floor Panel E5  
7-AB3-74 Floor Panel FR5  
7-AB3-75 Floor Panel F5  
7-AB3-76 Floor Panel FR5  
7-AB3-77 Floor Panel C6  
7-AB3-78 Floor Panel CR6  
7-AB3-79 Floor Panel C7  
7-AB3-80 Floor Panel CR7

## GENERAL NOTES:

1. Material for steel deck supporting members  $\angle 3 \times 2$  to be  $F_y = 50$  unless otherwise noted.
2. Deck beam angles and miscellaneous angles called for on floor panel drawings have long legs vertical.
3. Except as otherwise indicated, all  $\angle 3 \times 2$  deck supports shall be continuous.
4. Numbers shown on floor panel drawings thus ( ) are vertical interaction forces in Kips between each C32 truss and the 24T truss.  
Where no interaction force is given, the connection shall be proportioned for a minimum connection of 5 Kips. All connections shall be proportioned for a tensile as well as a compressive interaction force of the specified value.
5. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.
6. Connection of  $\angle 3 \times 2$  deck support beams to C32 trusses shall be proportioned for a minimum reaction of 6 Kips.



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANEL - DIMENSION SCHEDULE I

DATE

10-20-67

REVISIONS

1-3-68

PANEL NO.

OUT TO OUT  
PANEL DIM. LBOLT HOLE  
DIMENSION MDIMENSION  
A

A/A	B/A	BR/A	C/A	CR/A	D/A	DR/A	E/A	ER/A	5'9" - 9"	5'9" - 3 3/4"	5' - 2 1/2"
A/B	B/B	BR/B	C/B	CR/B	D/B	DR/B	E/B	ER/B	5'9" - 8 1/2"	5'9" - 3 1/4"	5' - 2"
A/C	B/C	BR/C	C/C	CR/C	D/C	DR/C	E/C	ER/C	5'9" - 8"	5'9" - 2 3/4"	5' - 1 1/2"
A/D	B/D	BR/D	C/D	CR/D	D/D	DR/D	E/D	ER/D	5'9" - 5"	5'8" - 11 3/4"	4' - 10 1/2"
A/E	B/E	BR/E	C/E	CR/E	D/E	DR/E	E/E	ER/E	5'9" - 3"	5'8" - 9 3/4"	4' - 8 1/2"
A/F	B/F	BR/F	C/F	CR/F	D/F	DR/F	E/F	ER/F	5'9" - 2"	5'8" - 8 3/4"	4' - 7 1/2"
A/G	B/G	BR/G	C/G	CR/G	D/G	DR/G	E/G	ER/G	5'8" - 11"	5'8" - 5 3/4"	4' - 5 1/2"
A/H	B/H	BR/H	C/H	CR/H	D/H	DR/H	E/H	ER/H	5'8" - 8"	5'8" - 2 3/4"	4' - 1 1/2"
A/J	B/J	BR/J	C/J	CR/J	D/J	DR/J	E/J	ER/J	5'8" - 7"	5'8" - 1 3/4"	4' - 0 1/2"
A/K	B/K	BR/K	C/K	CR/K	D/K	DR/K	E/K	ER/K	5'8" - 6"	5'8" - 0 3/4"	3' - 11 1/2"
A/M	B/M	BR/M	C/M	CR/M	D/M	DR/M	E/M	ER/M	5'8" - 3"	5'7" - 9 3/4"	3' - 8 1/2"
A/N	B/N	BR/N	C/N	CR/N	D/N	DR/N	E/N	ER/N	5'7" - 9"	5'7" - 3 3/4"	3' - 2 1/2"
A/P	B/P	BR/P	C/P	CR/P	D/P	DR/P	E/P	ER/P	5'7" - 7"	5'7" - 1 3/4"	3' - 0 1/2"

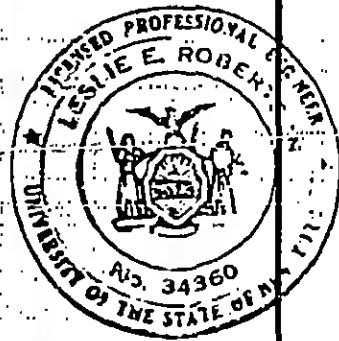
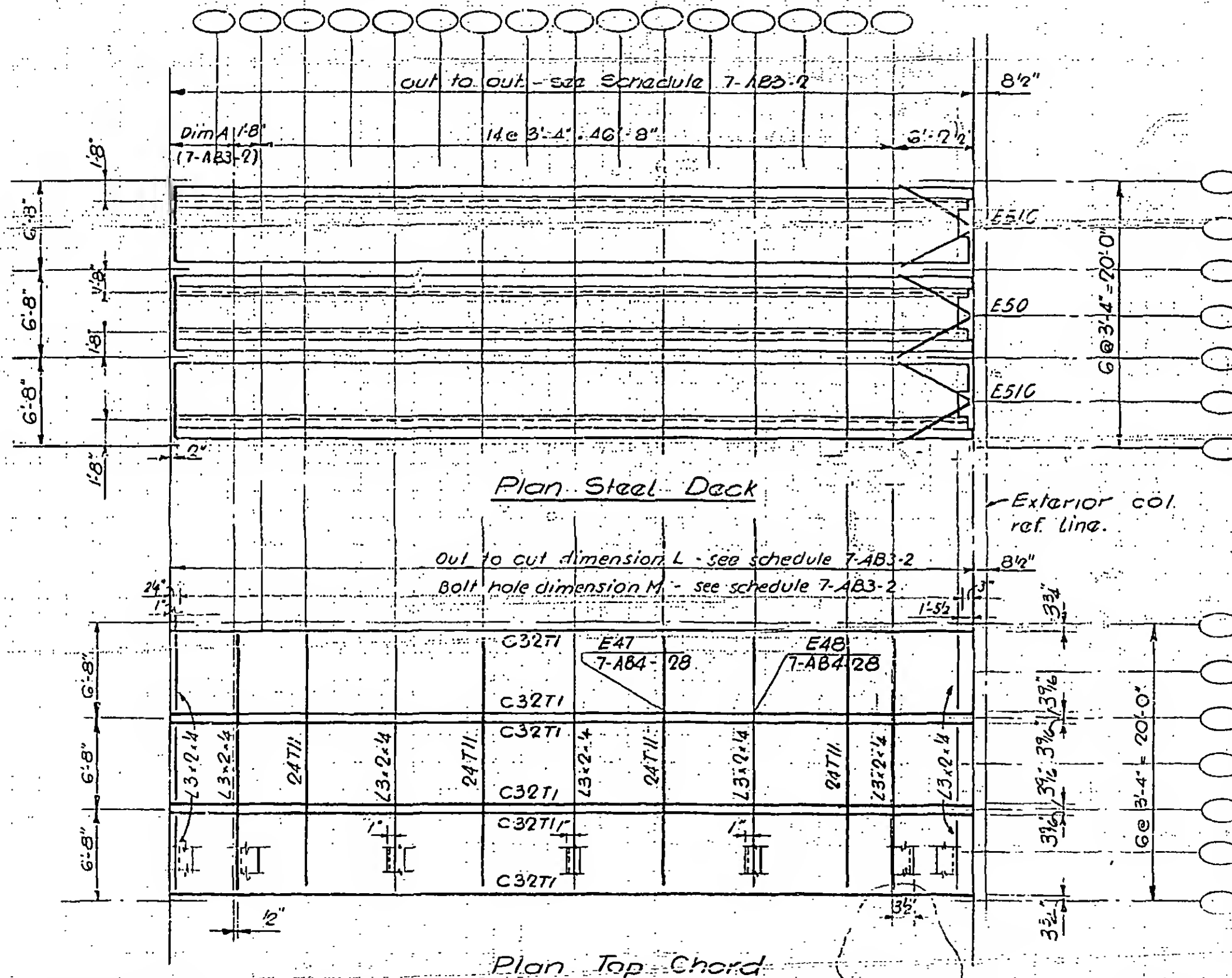


7-AB3-2

1056-L

## REVISIONS

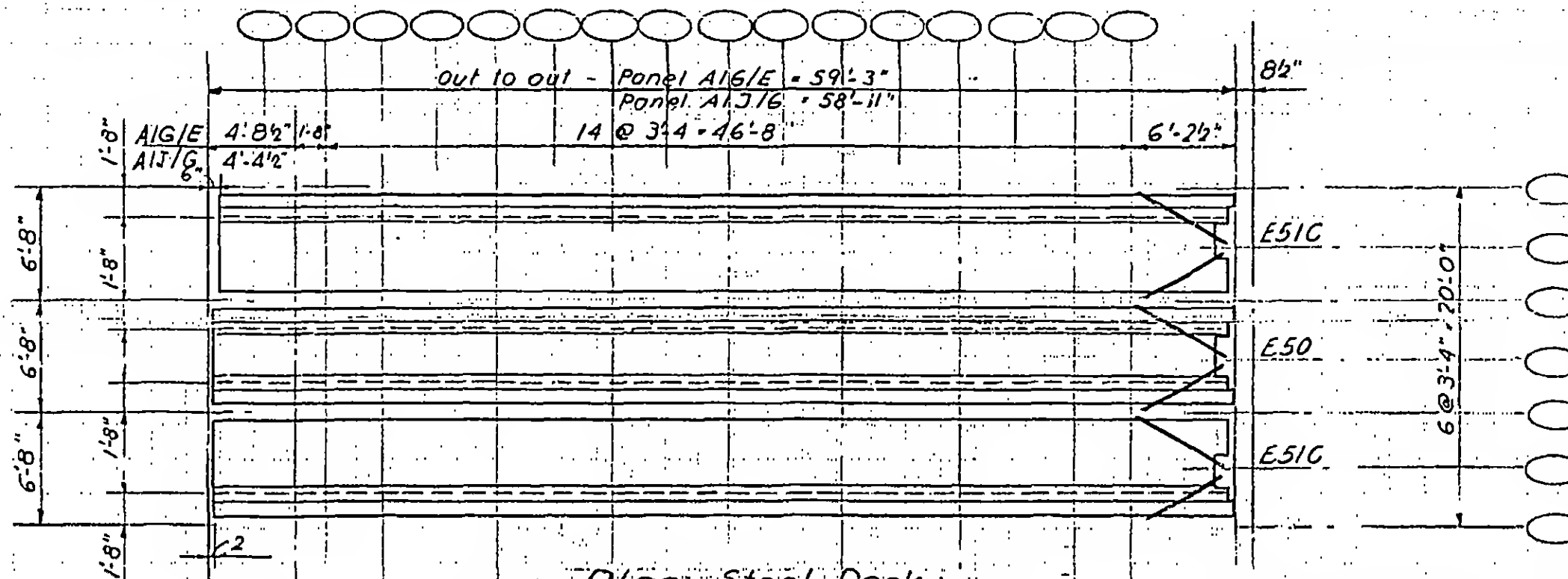
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2-15-68  
4-1-68  
7-22-68  
10-15-68



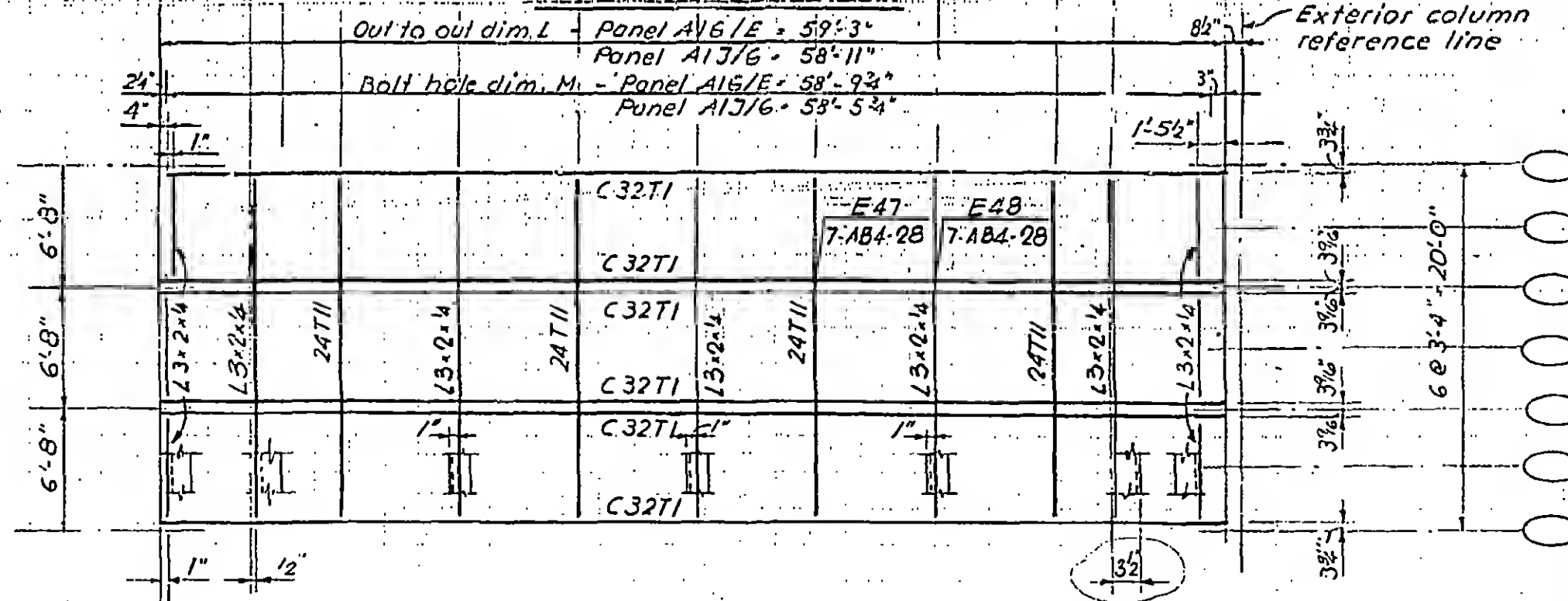


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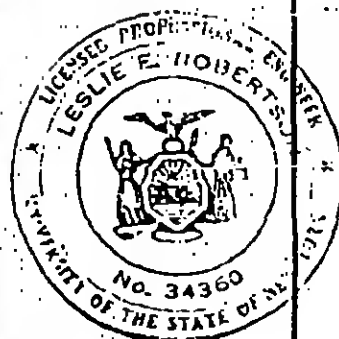
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2-15-68  
4-1-68  
7-22-68  
10-15-68



### Plan Steel Deck



### Plan Top Chord



PROJECT

THE WORLD TRADE CENTER

TITLE

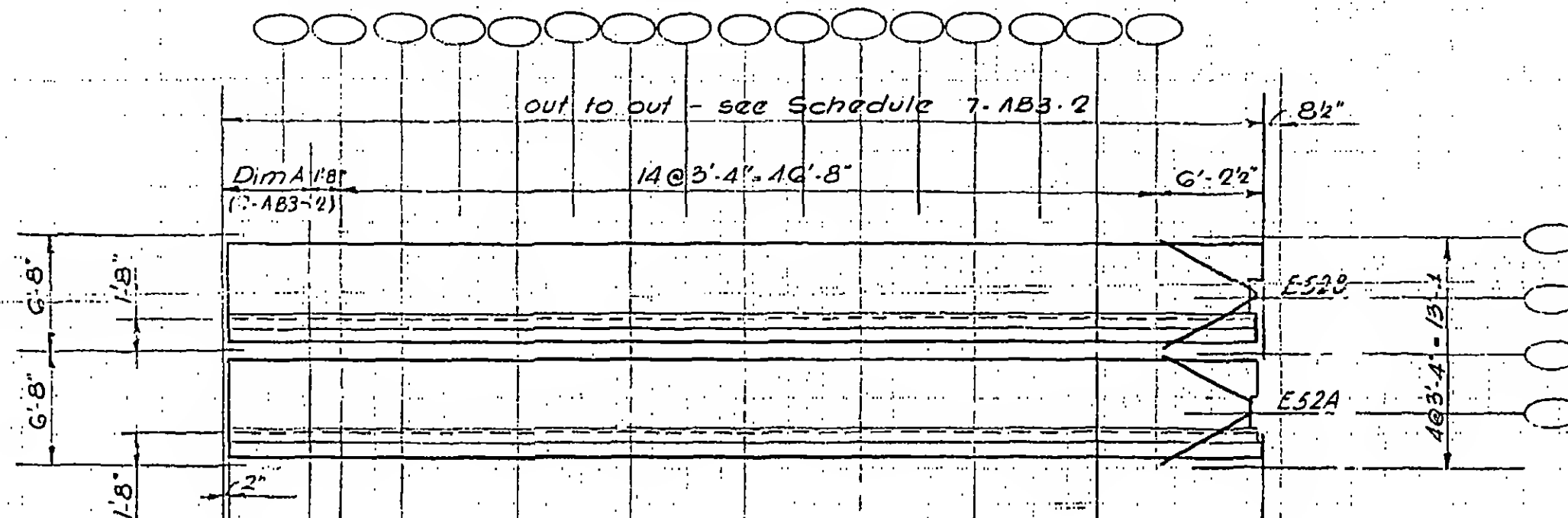
FLOOR PANEL B1

DATE

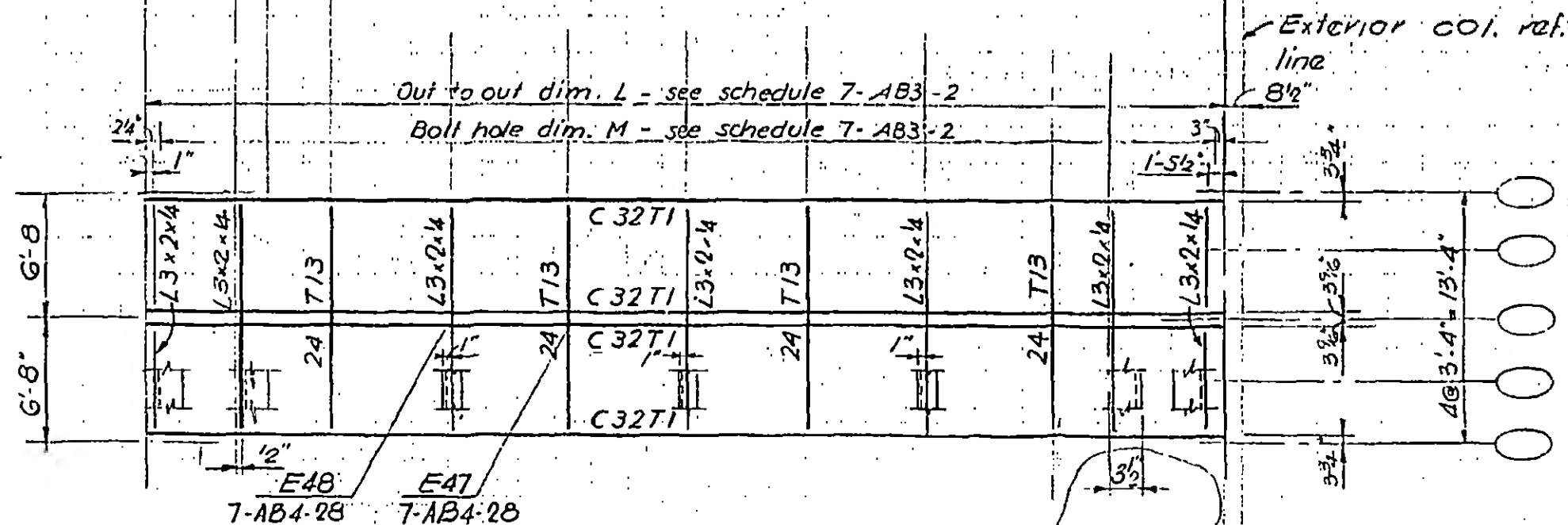
10.20.67

## REVISIONS

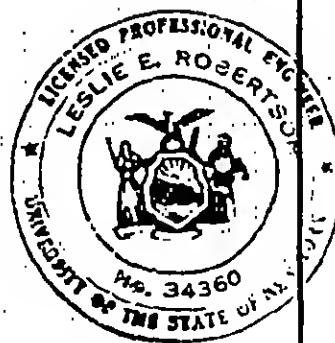
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4-1-68  
7-22-68  
10-15-68



Plan Steel Deck



Plan Top Chord

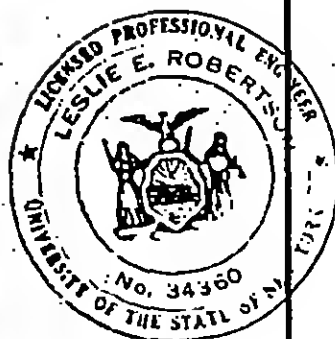
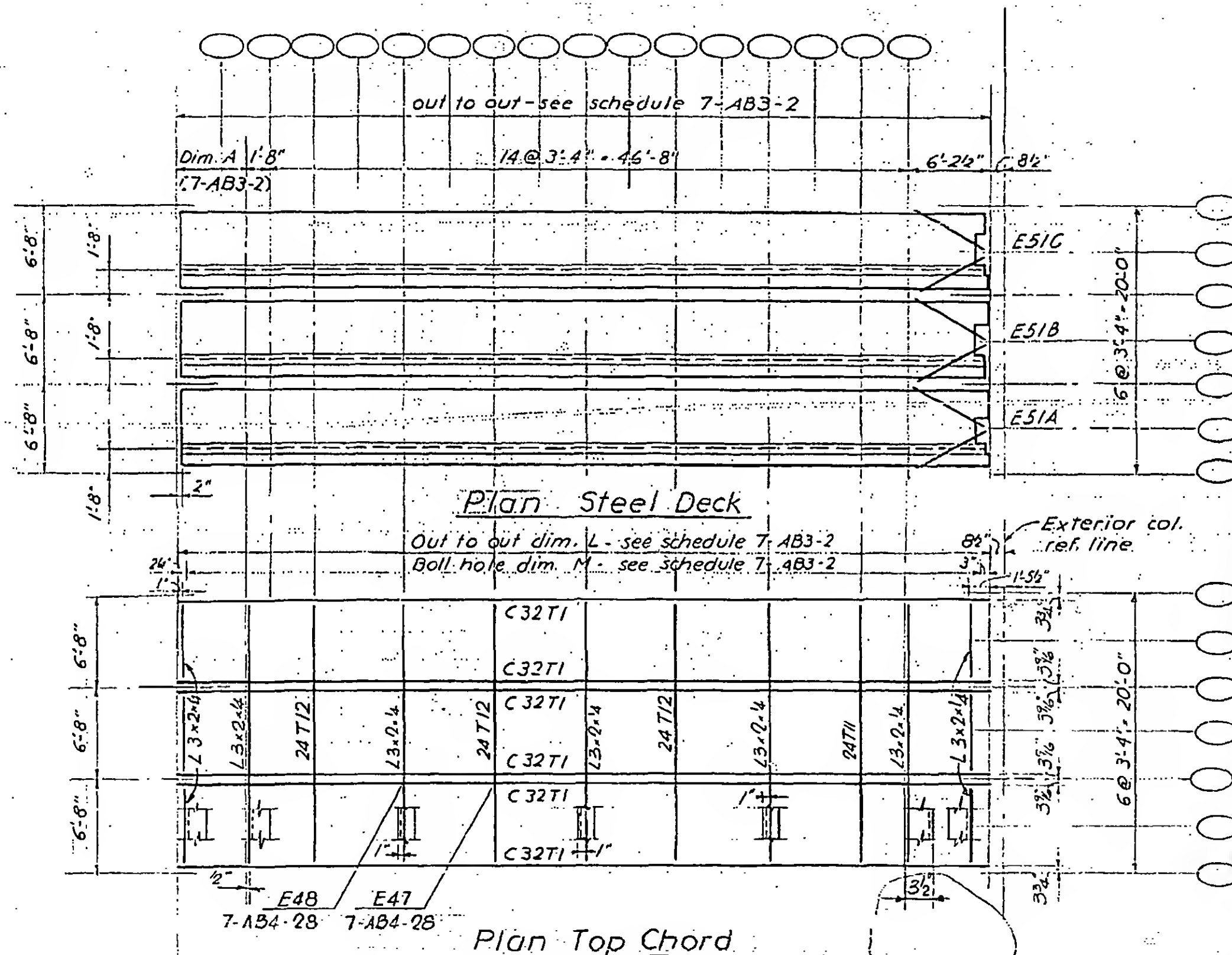


7-AB3-5



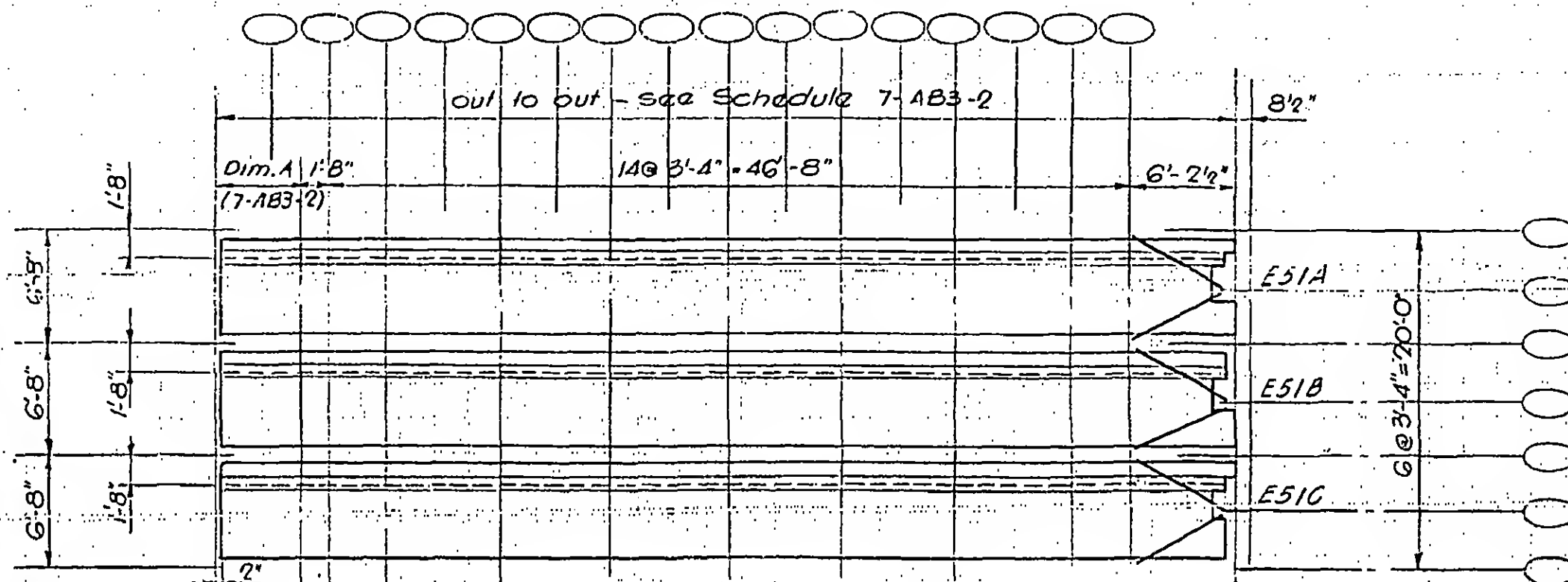
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10-15-68



## REVISIONS

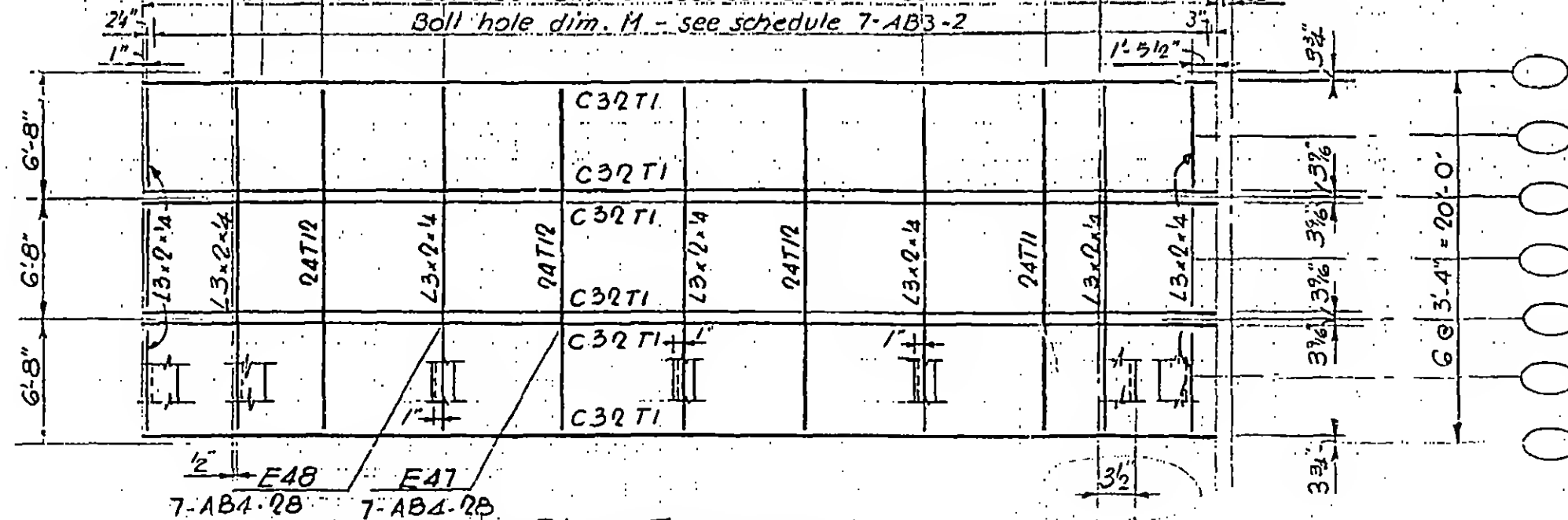
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10-15-68



### Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2

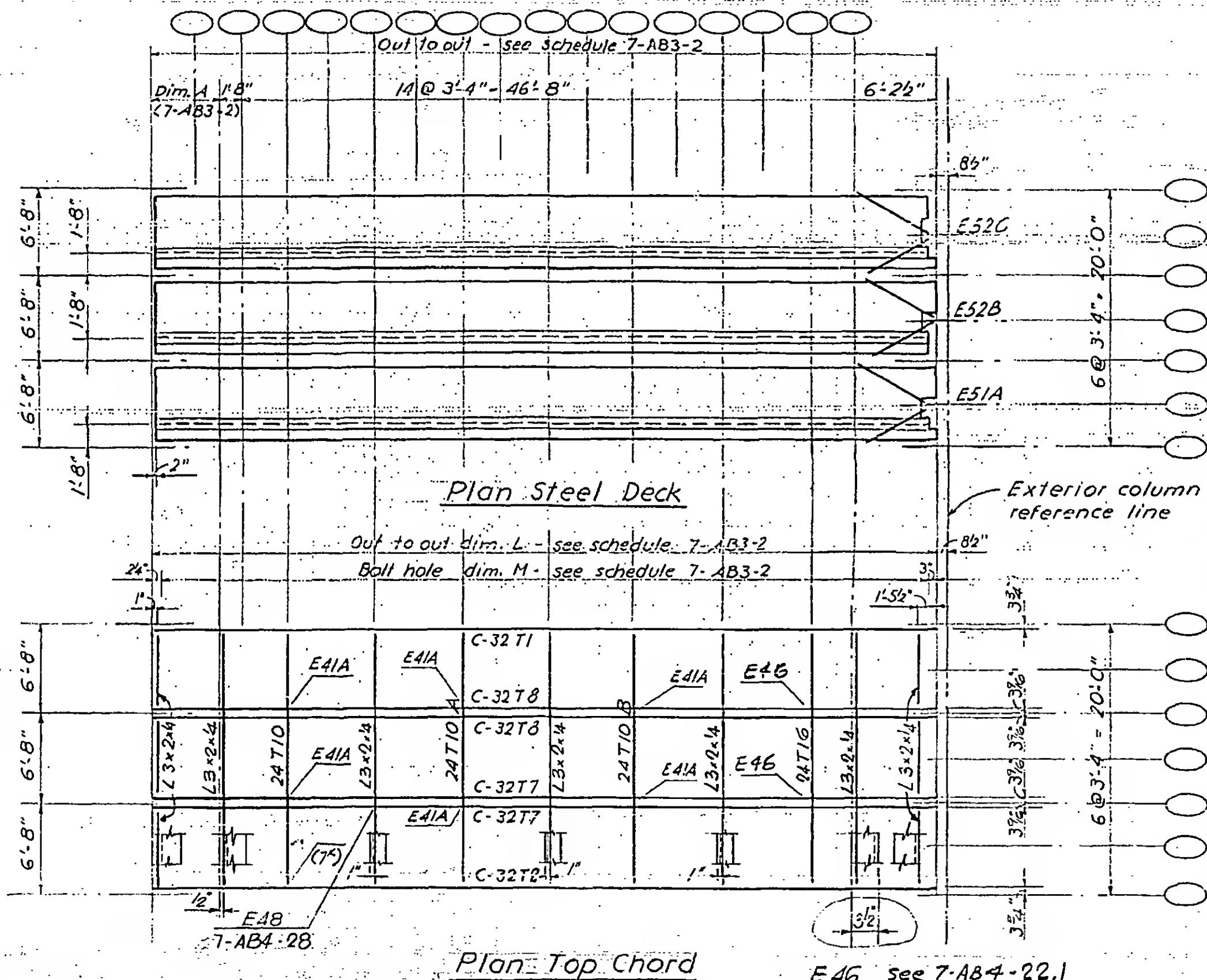
Bolt hole dim. M - see schedule 7-AB3-2



### Plan Top Chord



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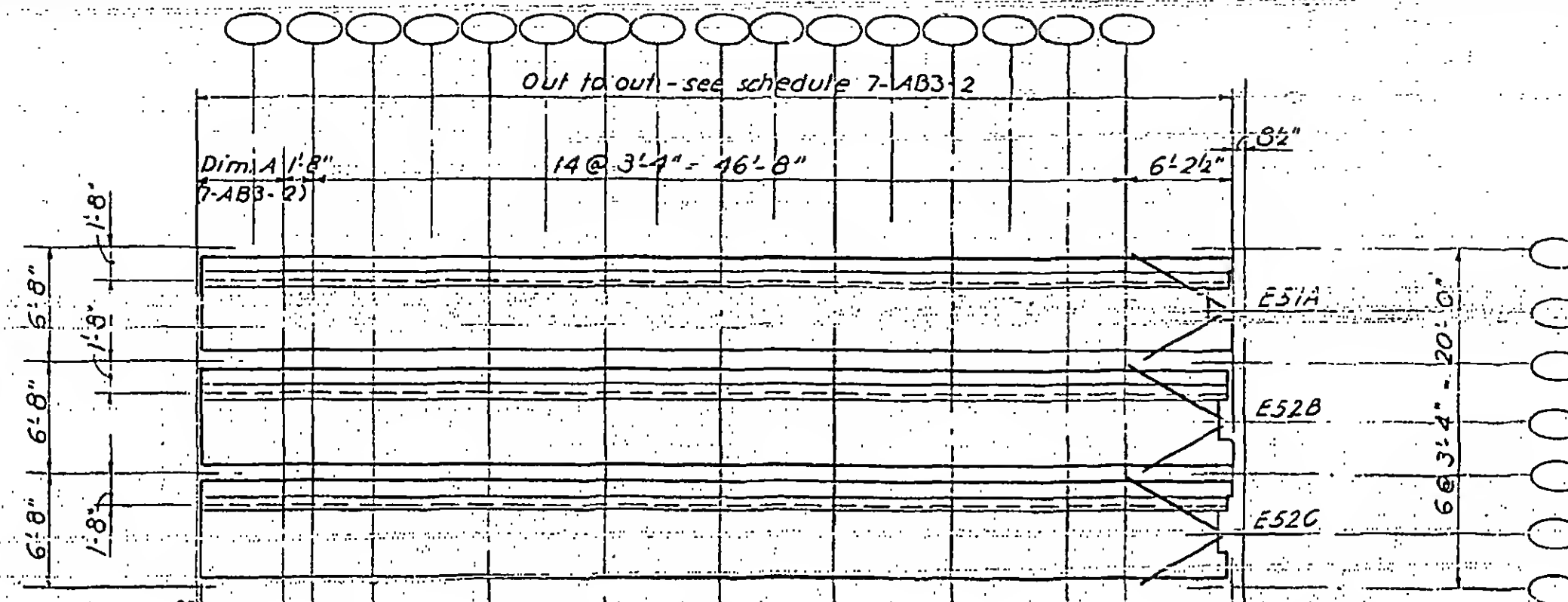


E46 see 7-AB4-22.1  
E41A see 7-AB4-22

7-AB3-9

## REVISIONS

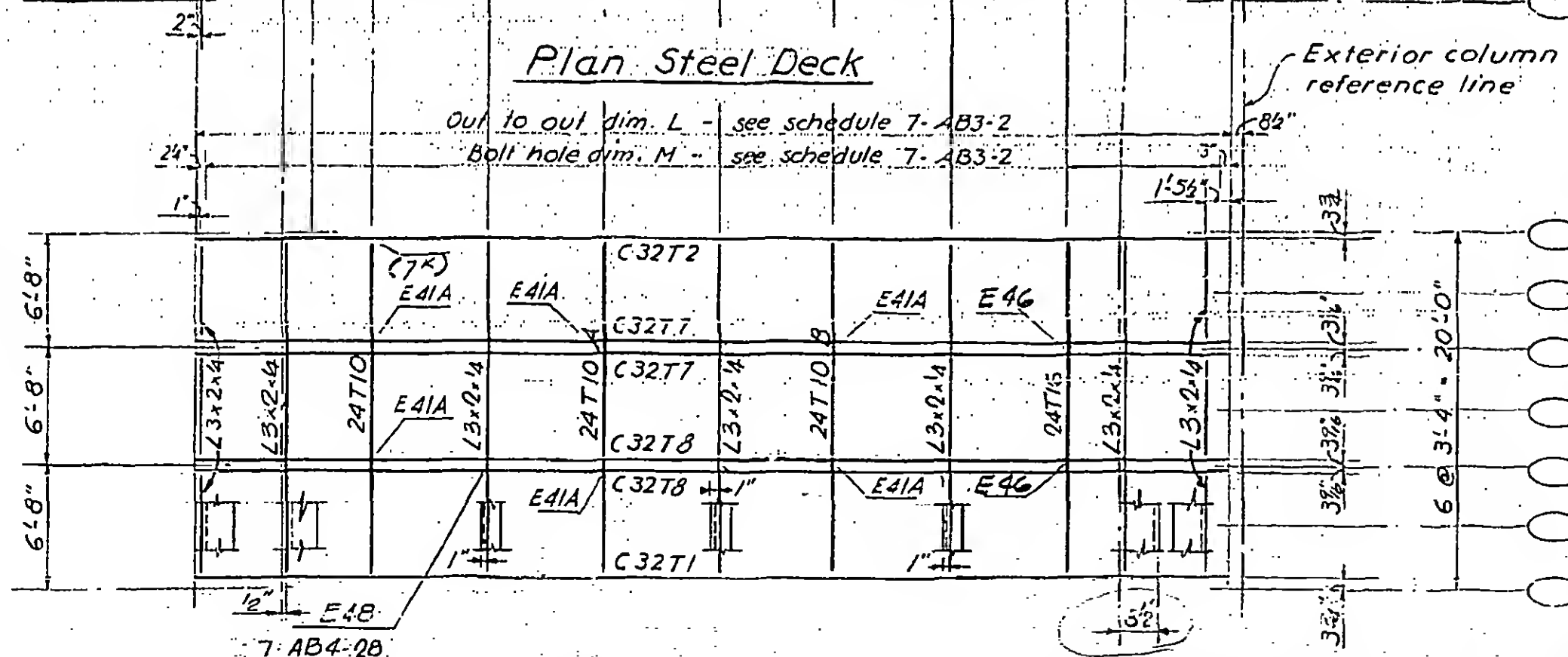
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4-15-68  
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10-15-68



### Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2  
Bolt hole dim. M - see schedule 7-AB3-2

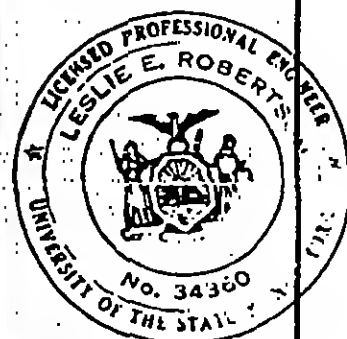
Exterior column  
reference line



### Plan Top Chord

E46 see 7-AB4-22,1  
E41A see 7-AB4-22

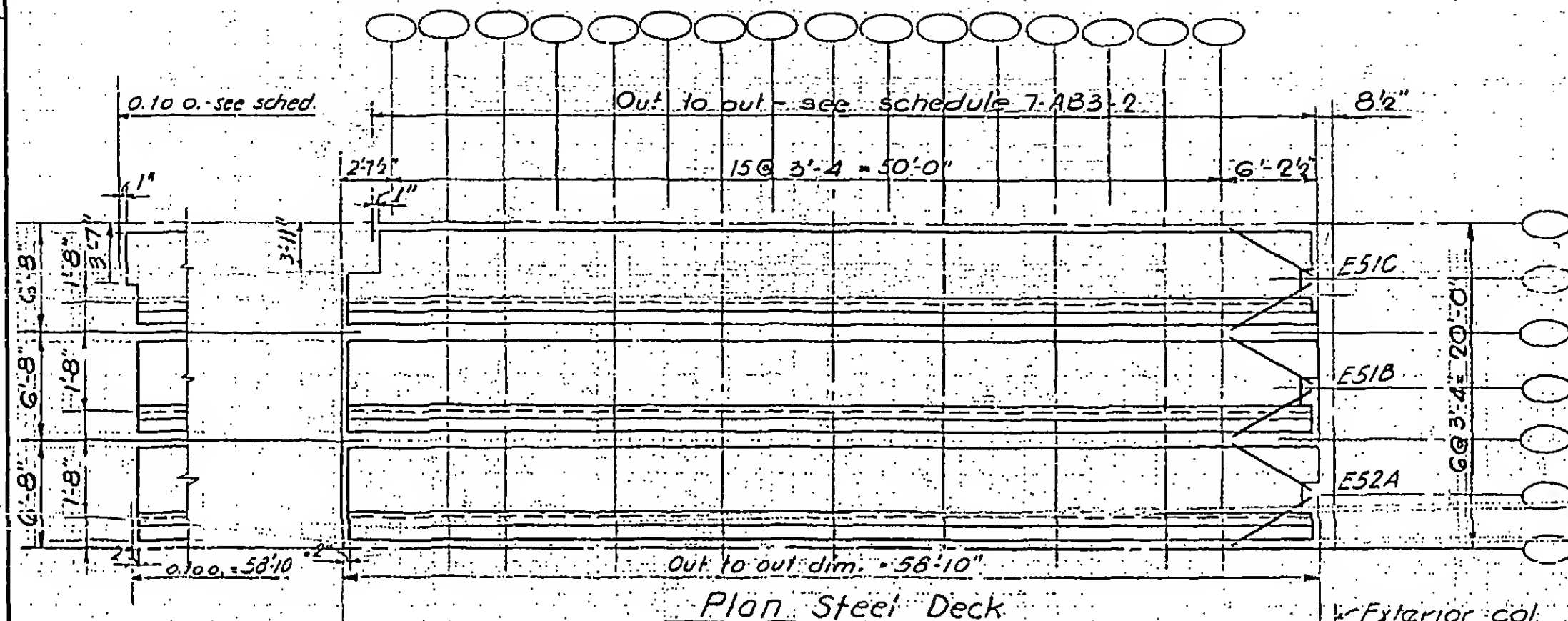
7- AB3-10



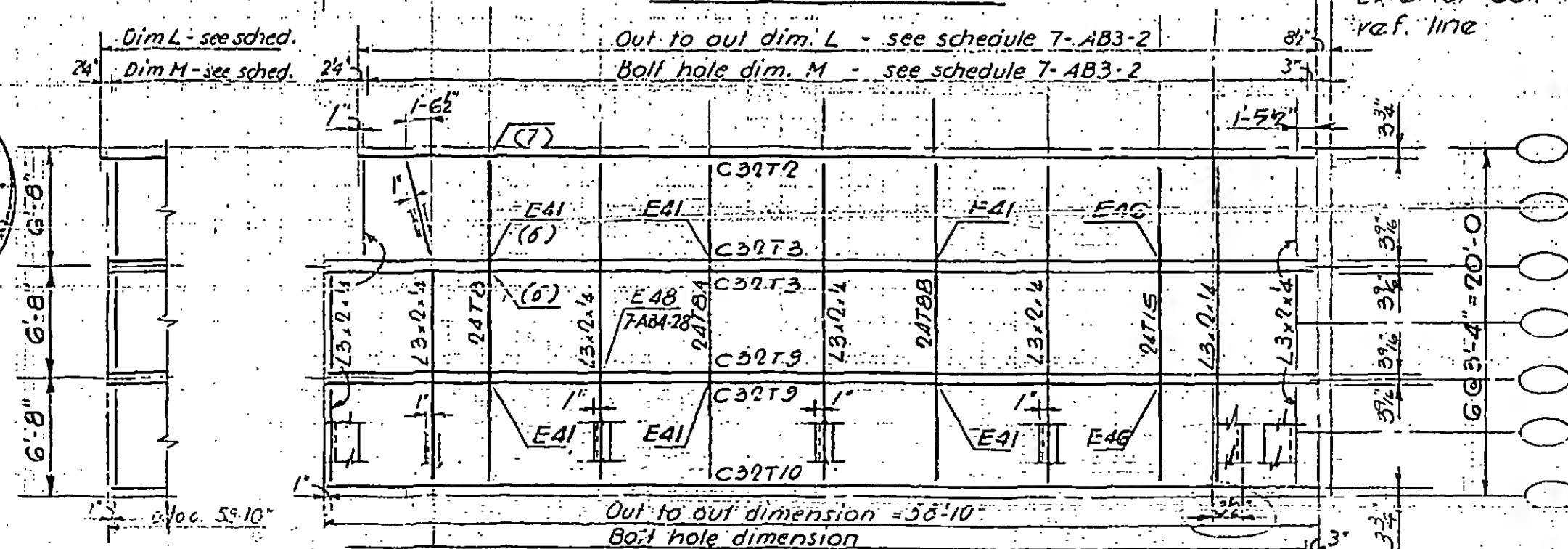


## REVISIONS

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7-22-68  
10-15-68



### Plan Steel Deck



### Plan: Top Chord

E41 see 7-ABF-22

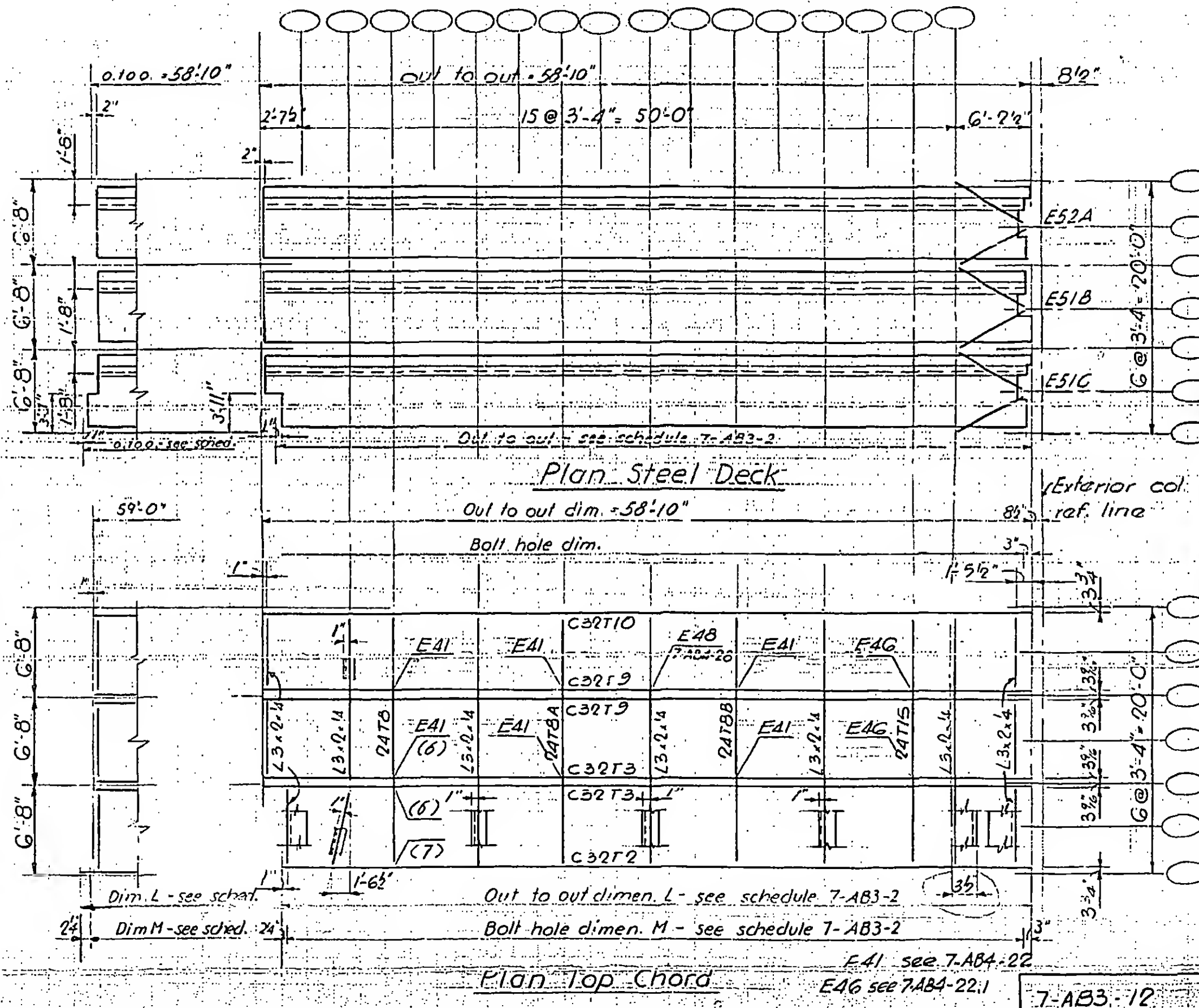
SECRET

7-AB3-11



## REVISIONS

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4-1-68  
4-15-68  
5-10-68  
7-22-68  
10-15-68





PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL FRI

DATE 10-20-67

## REVISIONS

1-3-68

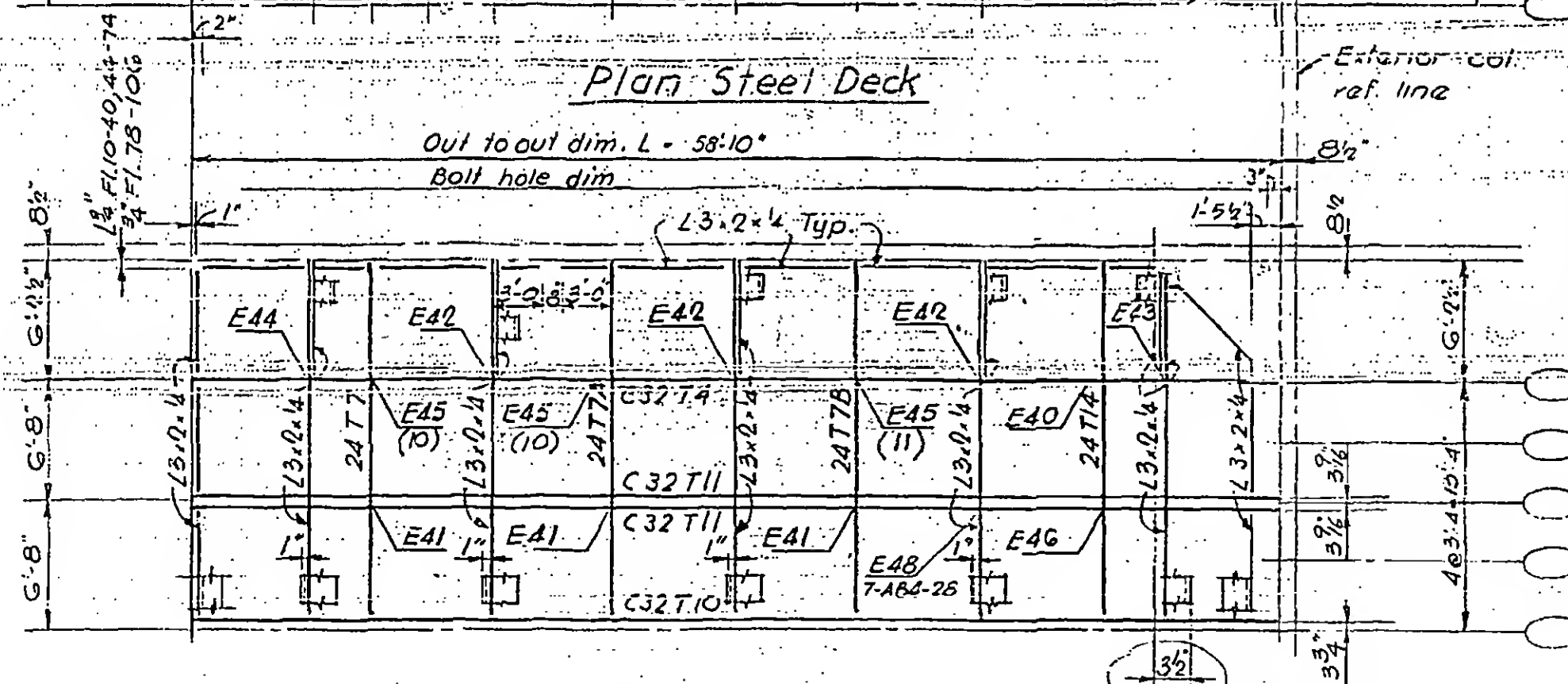
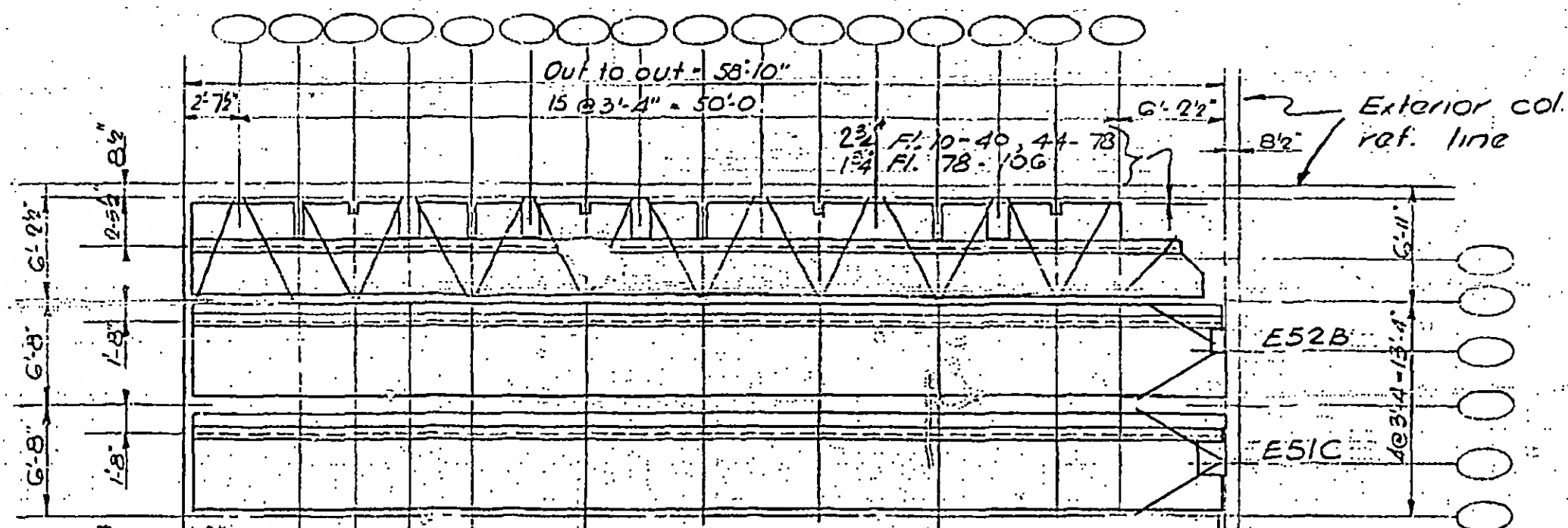
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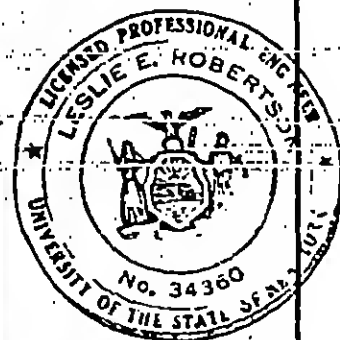
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10-15-68



### Plan Top Chord

E40-E46 see 7-AB4-21-25

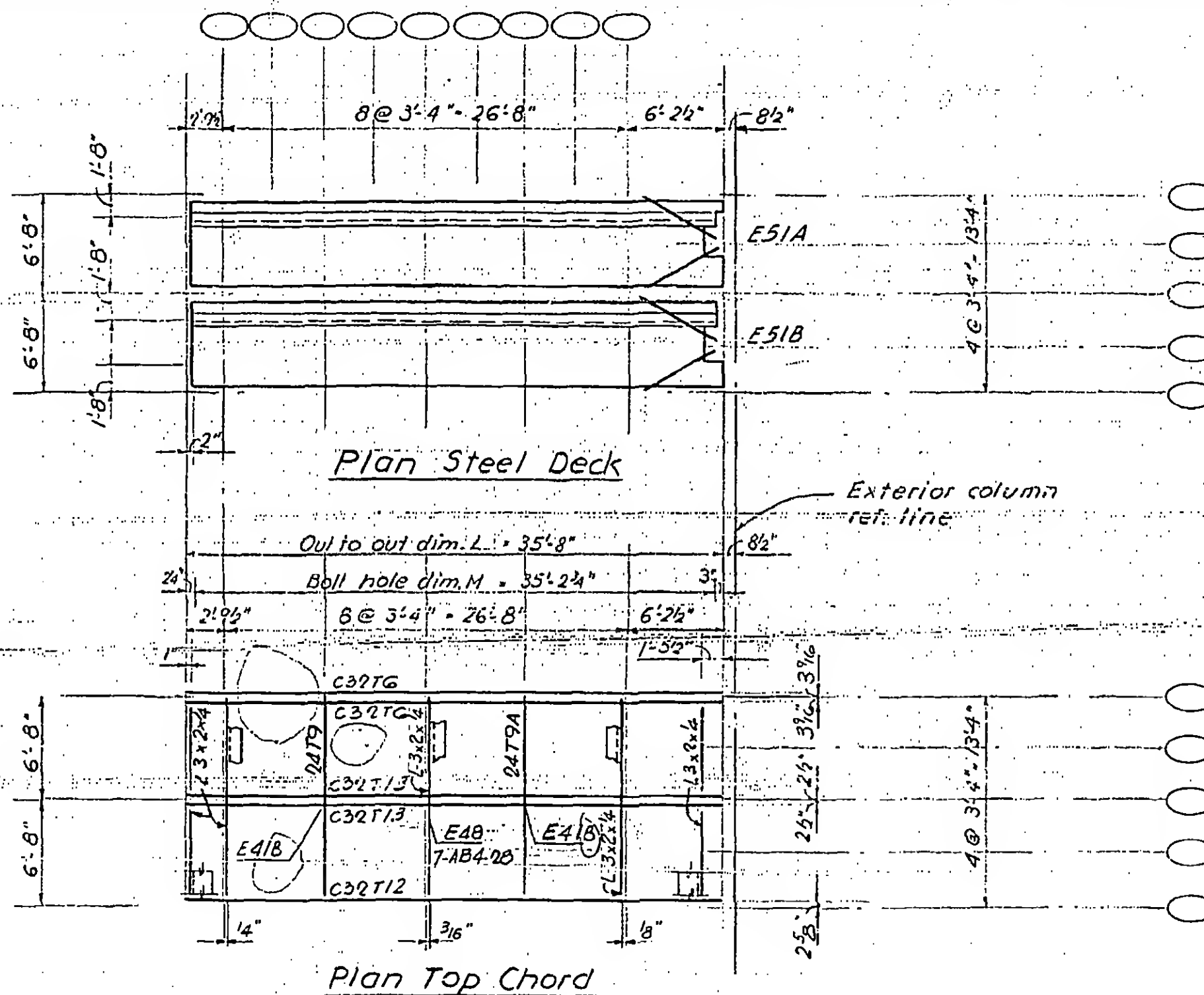


7-AB5-14

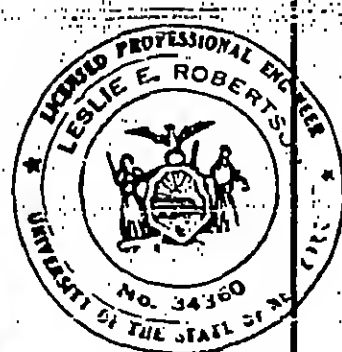


## REVISIONS

1-3-68  
1-26-68  
4-1-68  
5-10-68  
7-22-68



E41B See 7-AB4-22.1









SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

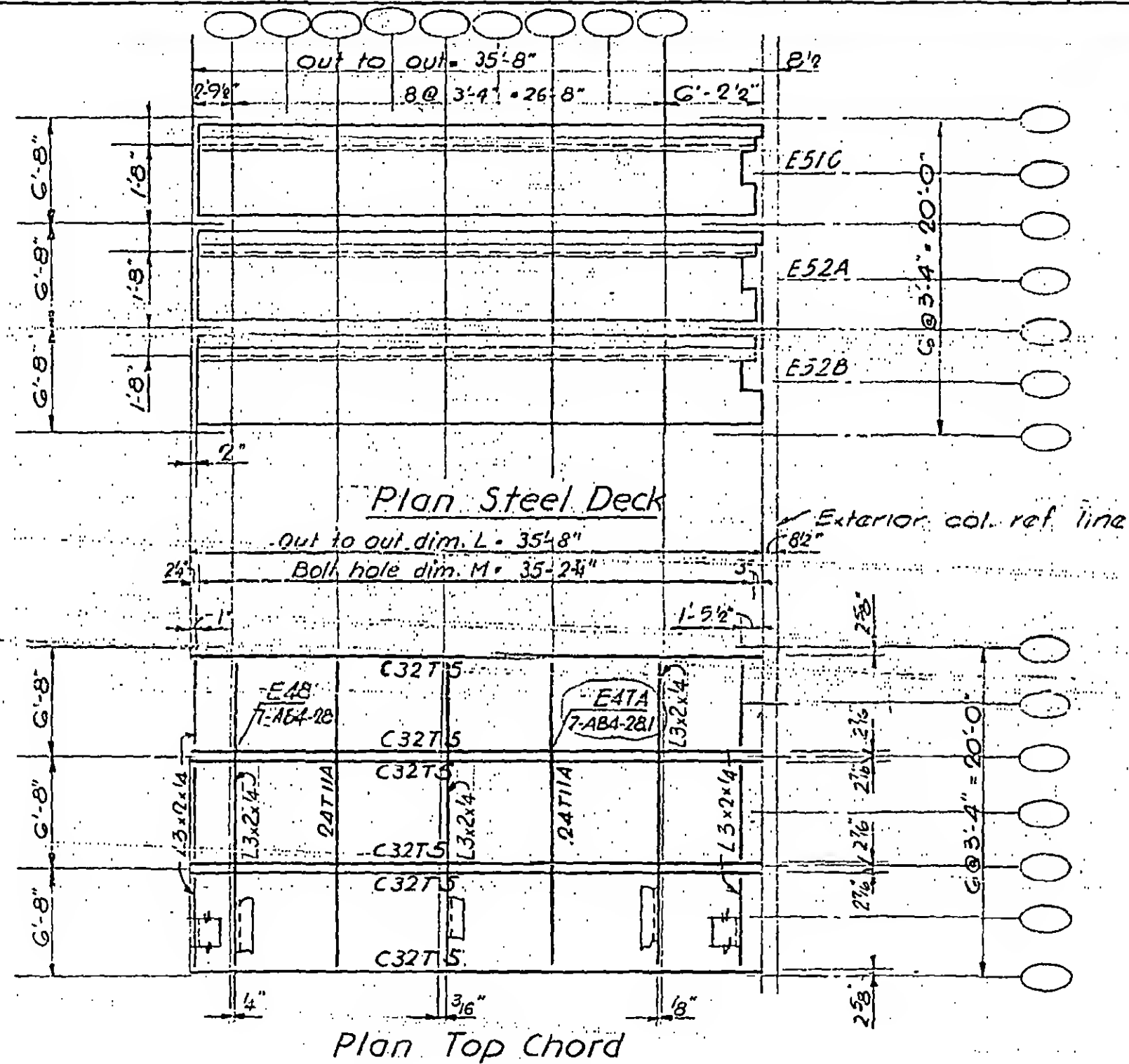
FLOOR PANEL HRI &amp; HRG

DATE

10.20.67

## REVISIONS

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5-10-68  
7-22-68



7-AB3-18

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Structural &amp; Civil Engineers

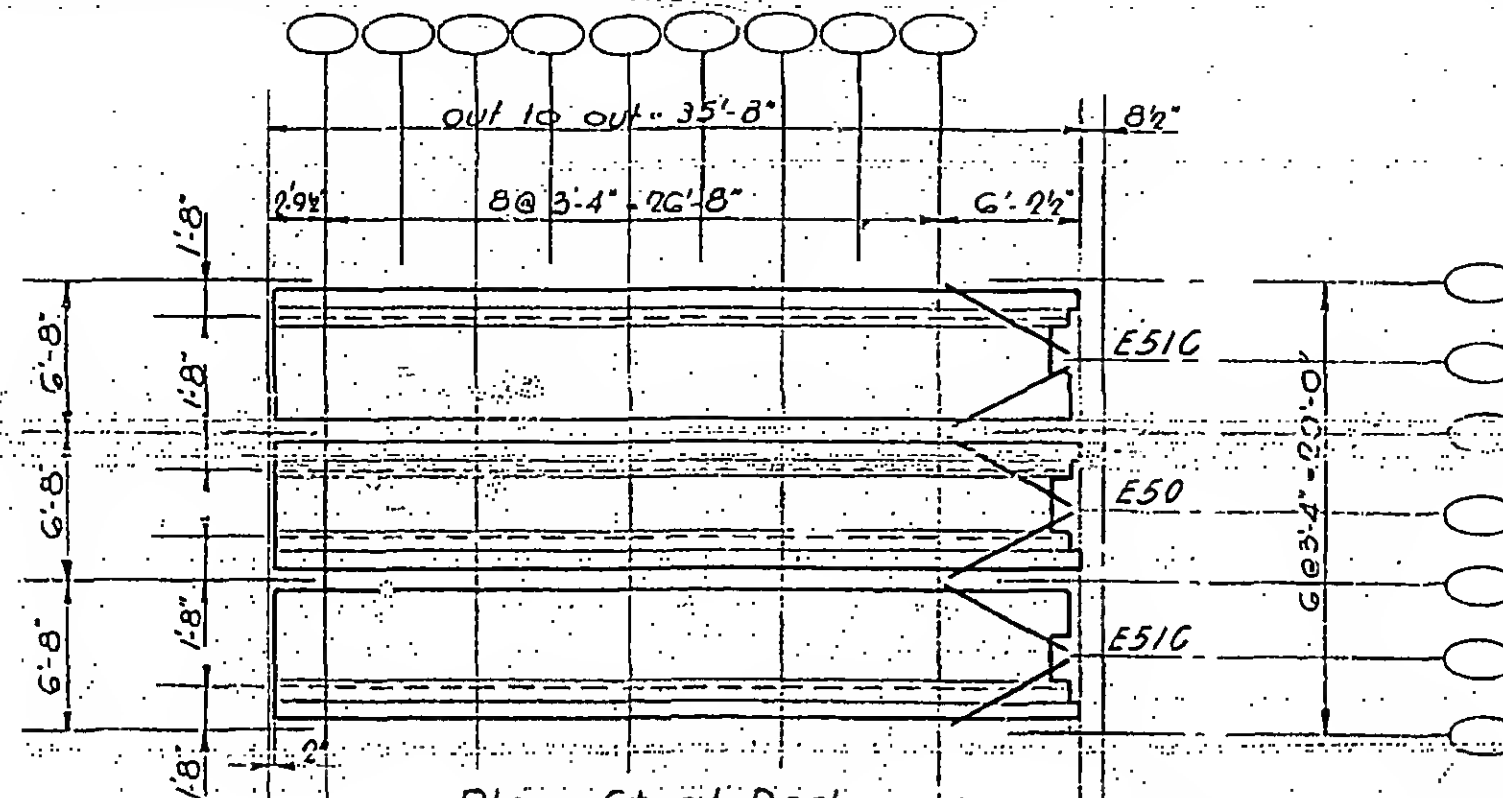
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL J1

DATE 10-20-67

## REVISIONS

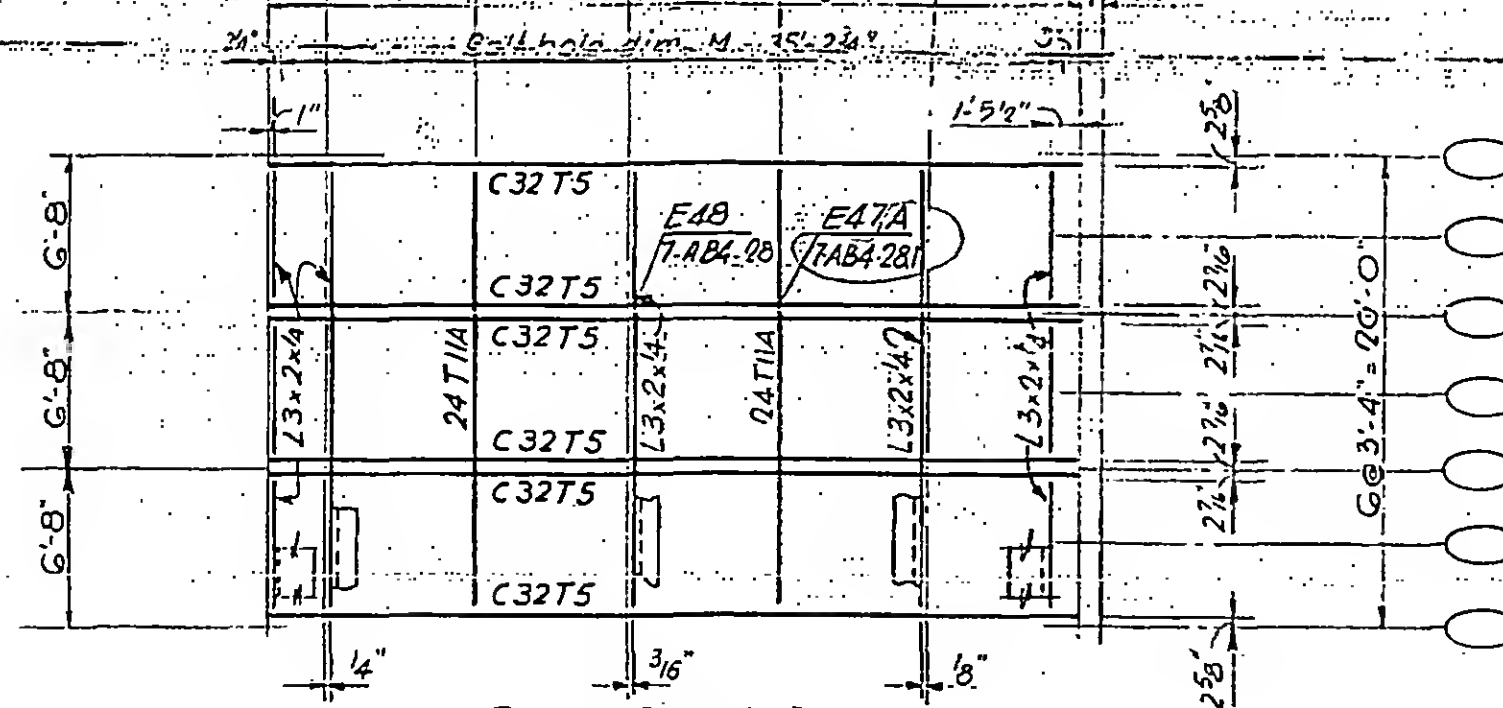
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7-22-68



Plan Steel Deck

Out to out dim. L = 35'-8"

Exterior col. ref. line



Plan Steel Deck



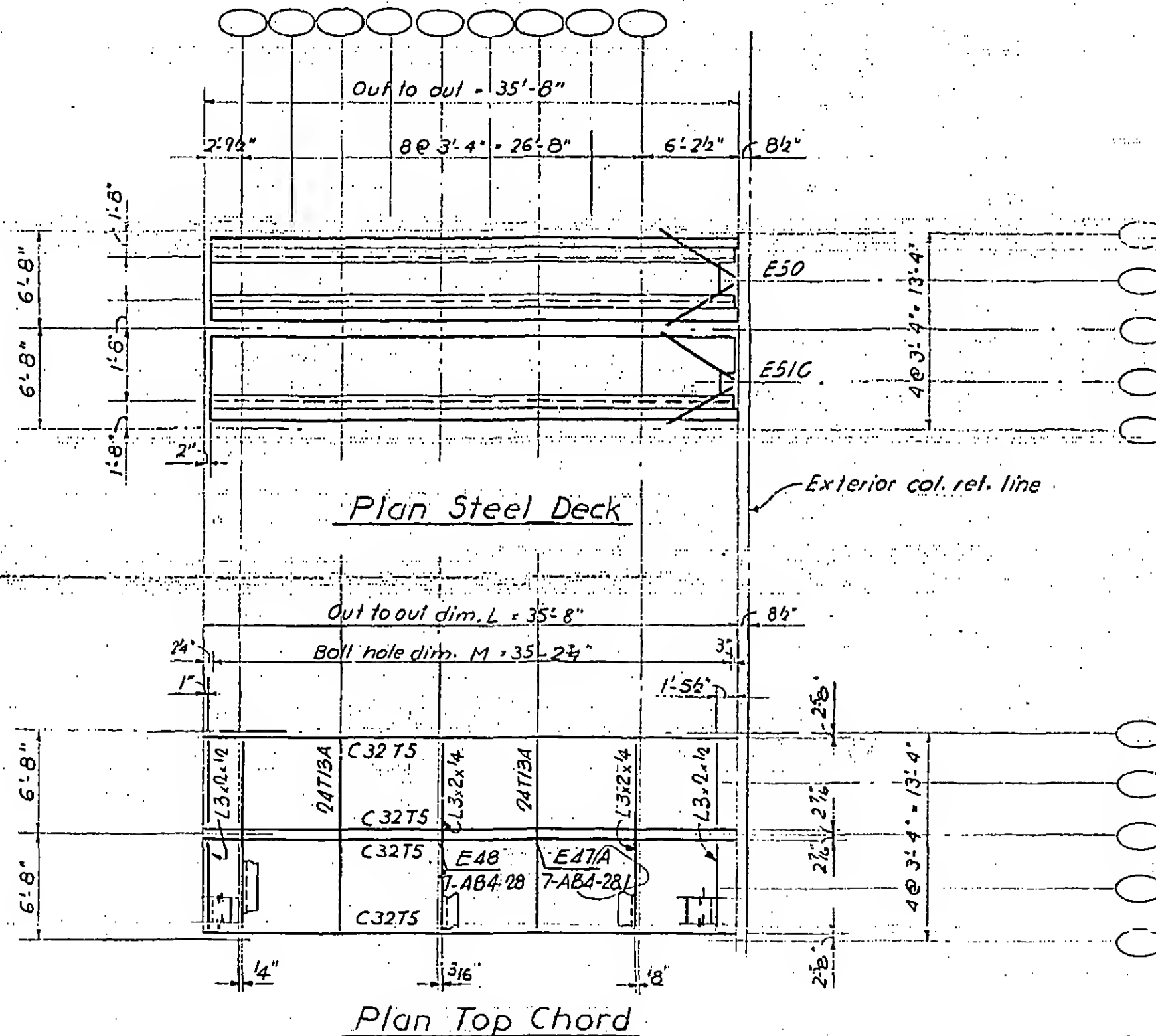
7-AB3-19

## Structural & Civil Engineers

TITLE	FLOOR PANEL KI
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DATE 10-20-67

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7-22-68



## Structural & Civil Engineer

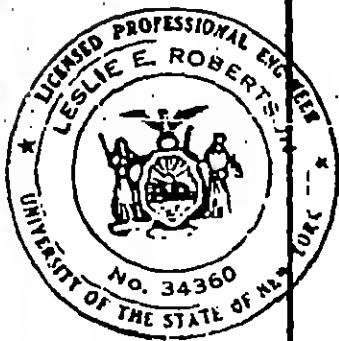
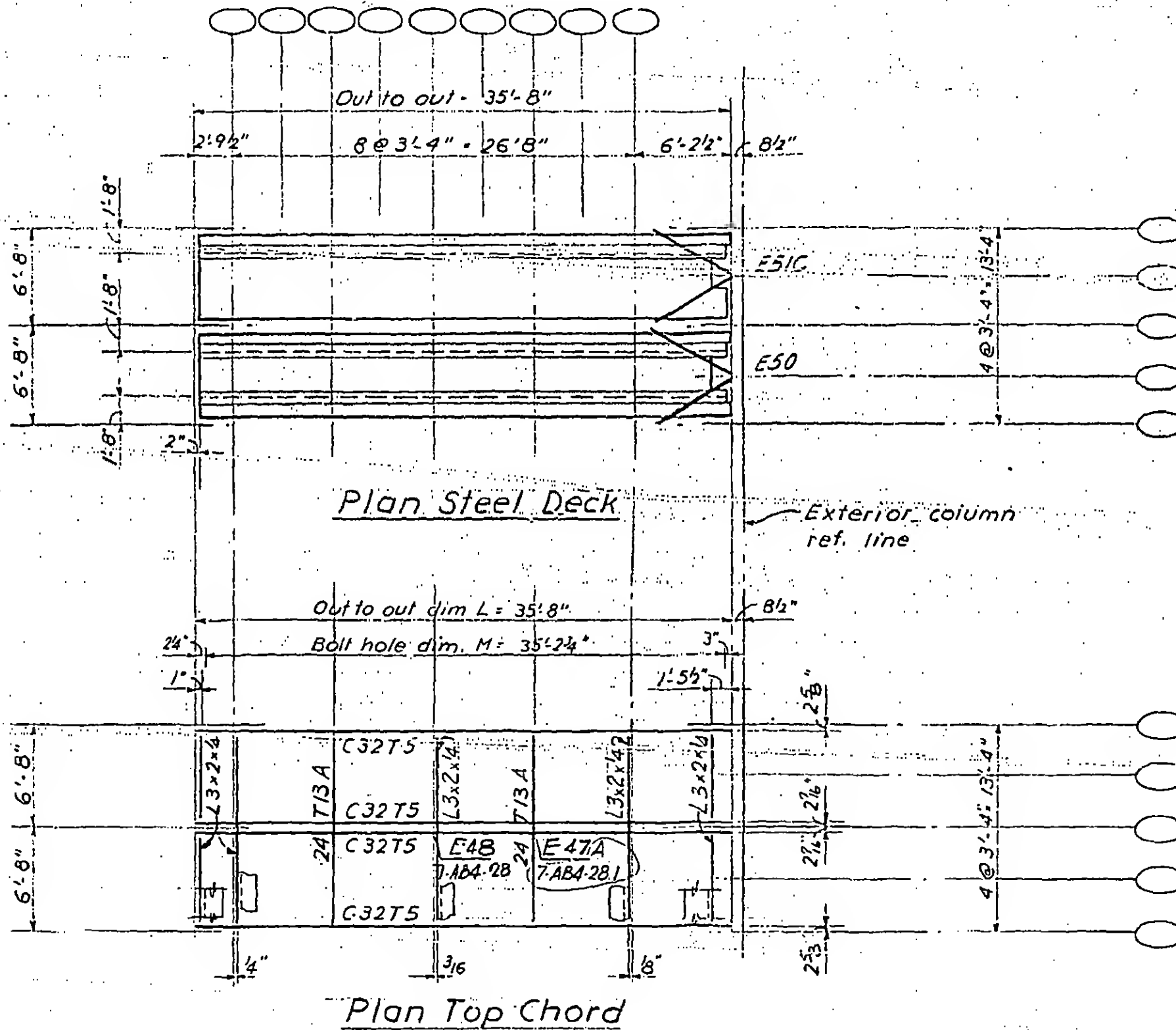
THE WORLD TRADE CENTER

TITLE FLOOR PANEL KRI

DATE 10-20-67

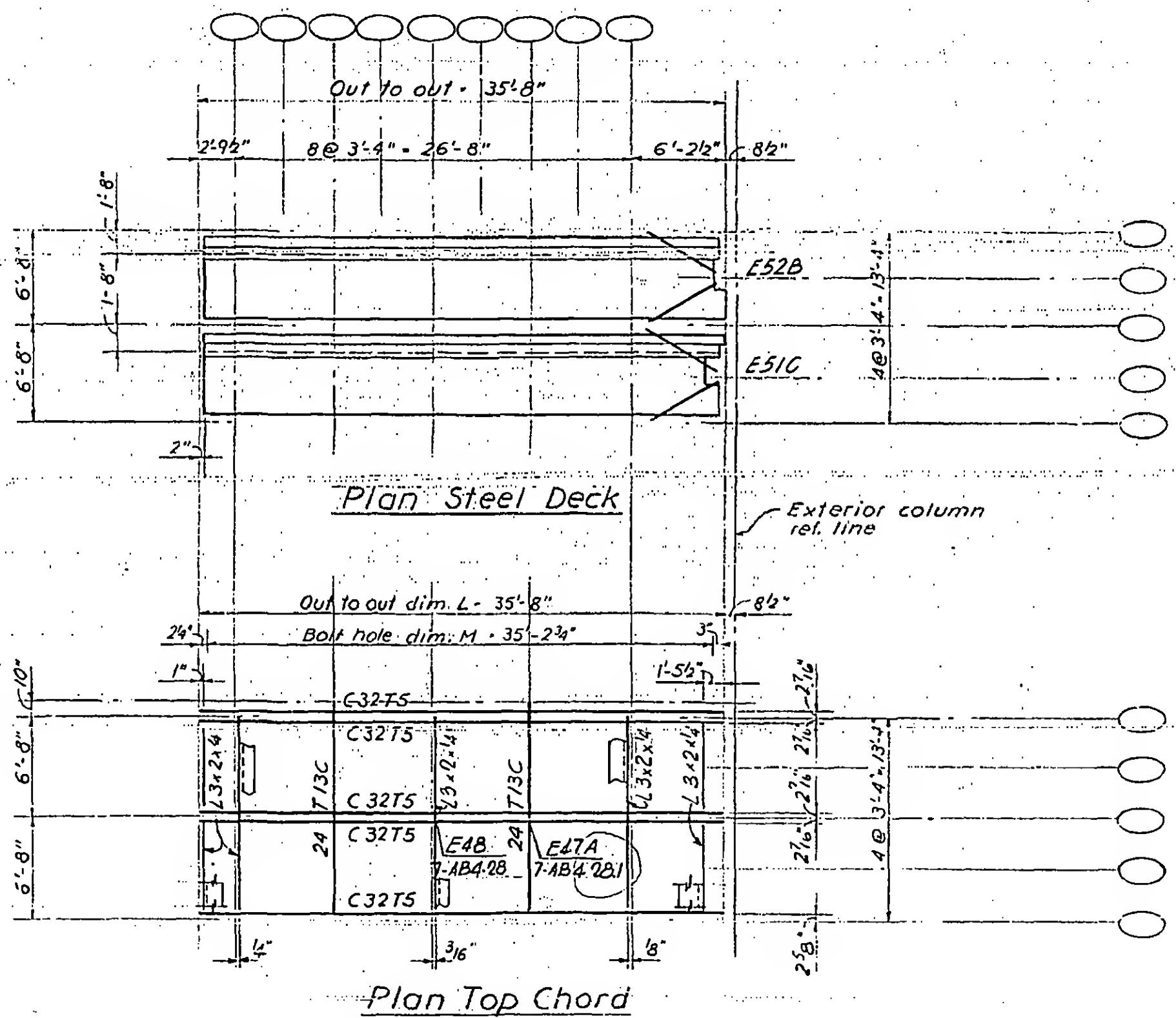
## REVISIONS

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4-1-68  
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7-22-68



7-AB3-2

REVISIONS
1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68



PROJECT

THE WORLD TRADE CENTER

<b>TITLE</b>	
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FLOOR PANEL MR 1

DATE

TE 10.20.67

## REVISIONS

1-3-68

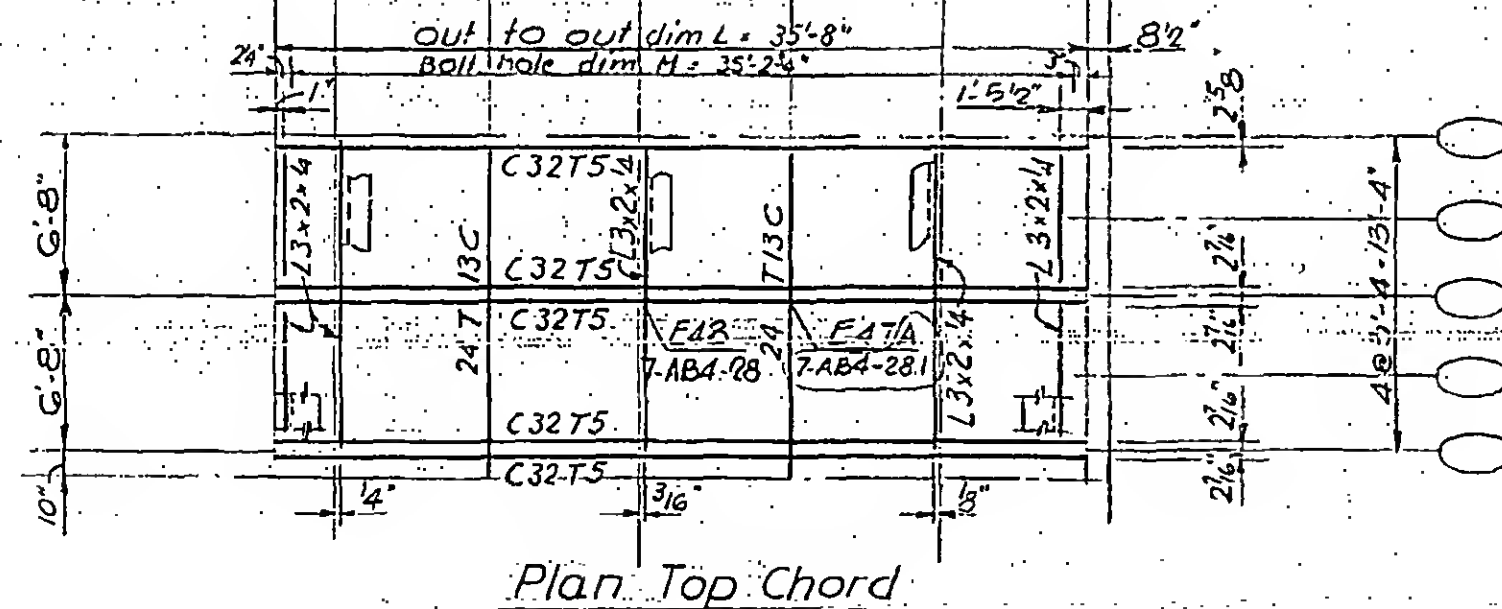
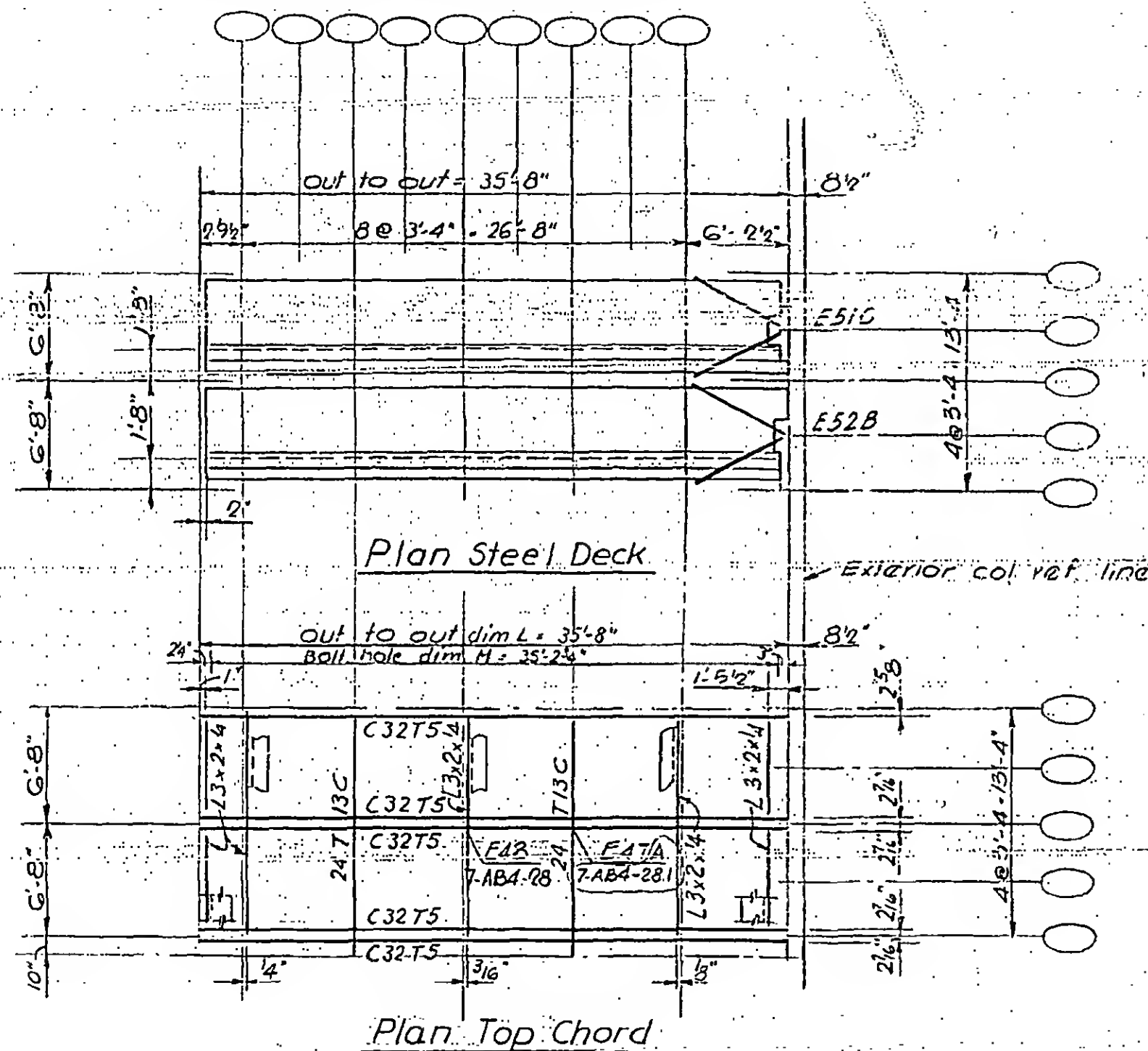
1-26-68

2-15-68

4-1-68

5-10-68.

7-22-68



45.

7-AB3-73



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANEL - DIMENSION SCHEDULE 2

DATE

8-15-68

REVISIONS

PANEL NO.

OUT TO OUT  
PANEL DIM. LBOLT HOLE  
DIMENSION MDIMENSION  
A

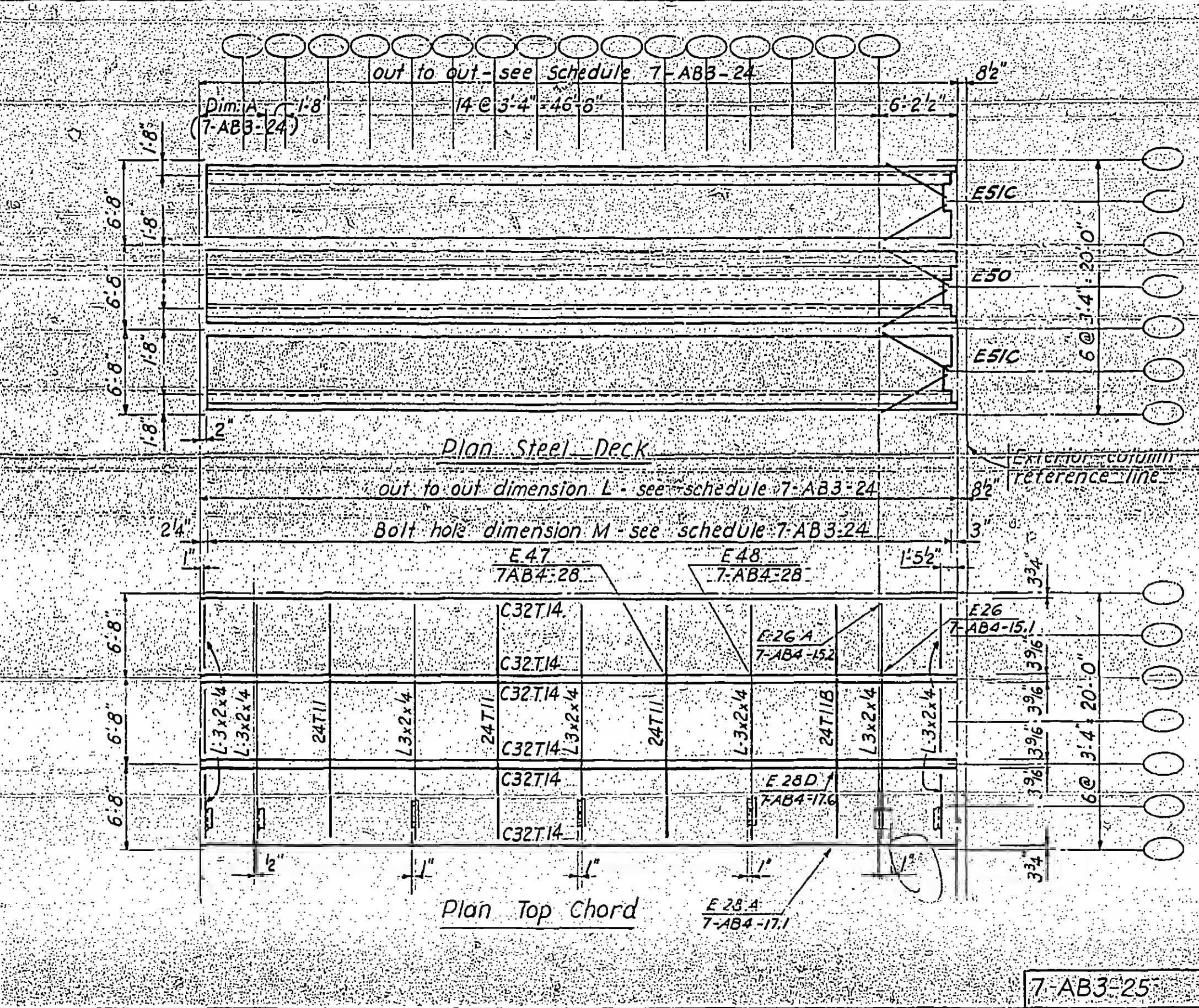
A/A	B/A	BR/A	C/A	CR/A	D/A	DR/A	E/A	ER/A	5'9" - 9"	5'9" - 3 1/4"	5' - 2 1/2"
A/B	B/B	BR/B	C/B	CR/B	D/B	DR/B	E/B	ER/B	5'9" - 8 1/2"	5'9" - 3 1/4"	5' - 2"
A/C	B/C	BR/C	C/C	CR/C	D/C	DR/C	E/C	ER/C	5'9" - 8"	5'9" - 2 3/4"	5' - 1 1/2"
A/D	B/D	BR/D	C/D	CR/D	D/D	DR/D	E/D	ER/D	5'9" - 5"	5'8" - 11 3/4"	4' - 10 1/2"
A/E	B/E	BR/E	C/E	CR/E	D/E	DR/E	E/E	ER/E	5'9" - 3"	5'8" - 9 3/4"	4' - 8 1/2"
A/F	B/F	BR/F	C/F	CR/F	D/F	DR/F	E/F	ER/F	5'9" - 2"	5'8" - 8 3/4"	4' - 7 1/2"
A/G	B/G	BR/G	C/G	CR/G	D/G	DR/G	E/G	ER/G	5'8" - 11"	5'8" - 5 3/4"	4' - 4 1/2"
A/H	B/H	BR/H	C/H	CR/H	D/H	DR/H	E/H	ER/H	5'8" - 8"	5'8" - 2 3/4"	4' - 1 1/2"
A/J	B/J	BR/J	C/J	CR/J	D/J	DR/J	E/J	ER/J	5'8" - 7"	5'8" - 1 3/4"	4' - 0 1/2"
A/K	B/K	BR/K	C/K	CR/K	D/K	DR/K	E/K	ER/K	5'8" - 6"	5'8" - 0 3/4"	3' - 11 1/2"
A/M	B/M	BR/M	C/M	CR/M	D/M	DR/M	E/M	ER/M	5'8" - 3"	5'7" - 9 3/4"	3' - 8 1/2"
A/N	B/N	BR/N	C/N	CR/N	D/N	DR/N	E/N	ER/N	5'7" - 9"	5'7" - 3 3/4"	3' - 2 1/2"
A/P	B/P	BR/P	C/P	CR/P	D/P	DR/P	E/P	ER/P	5'7" - 7"	5'7" - 1 3/4"	3' - 0 1/2"





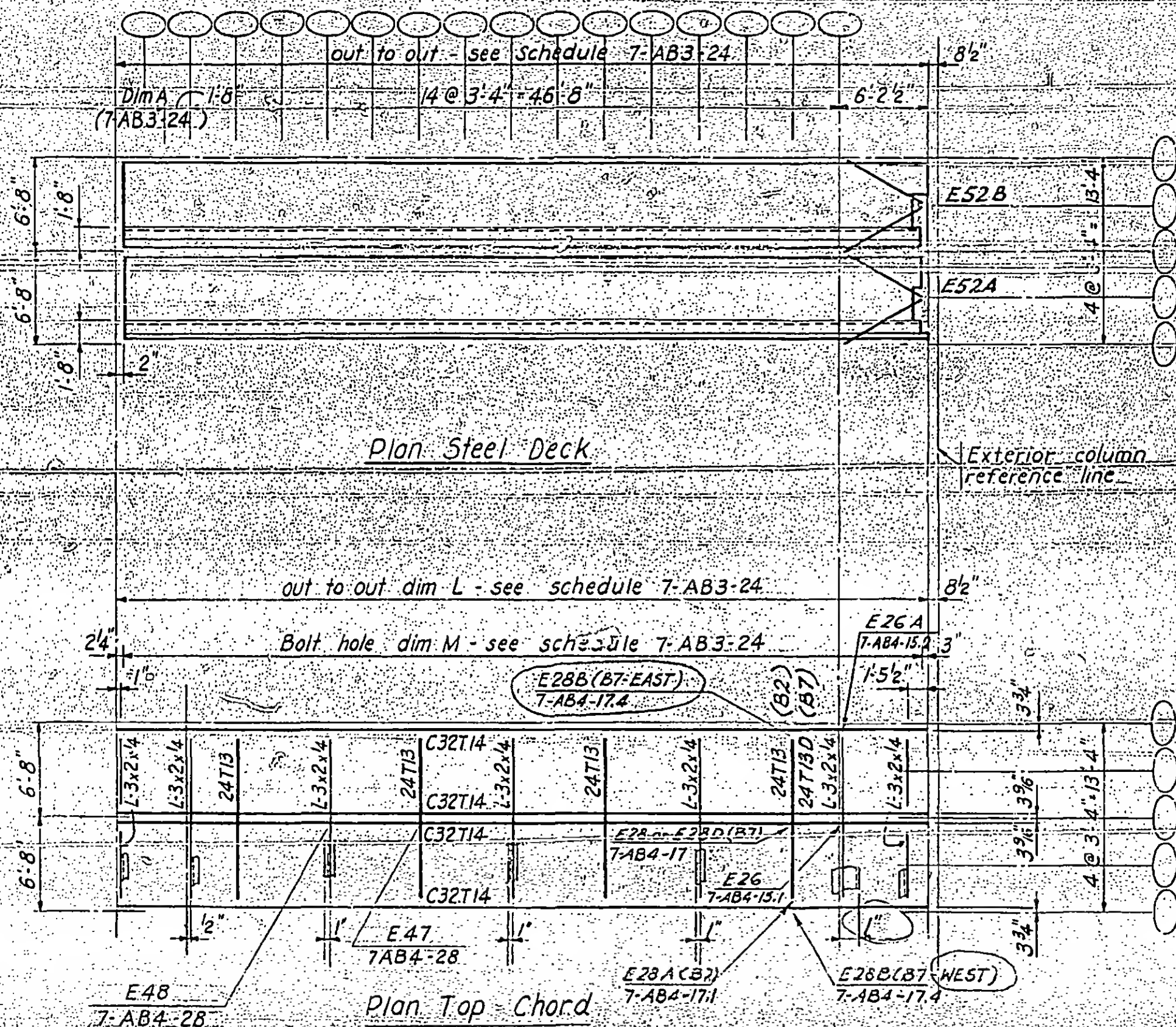
REVISIONS

10-4-68

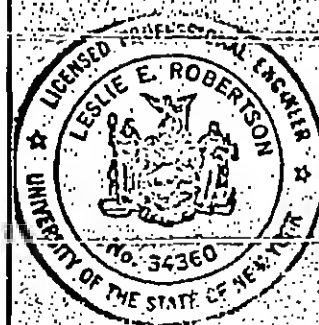


## REVISIONS

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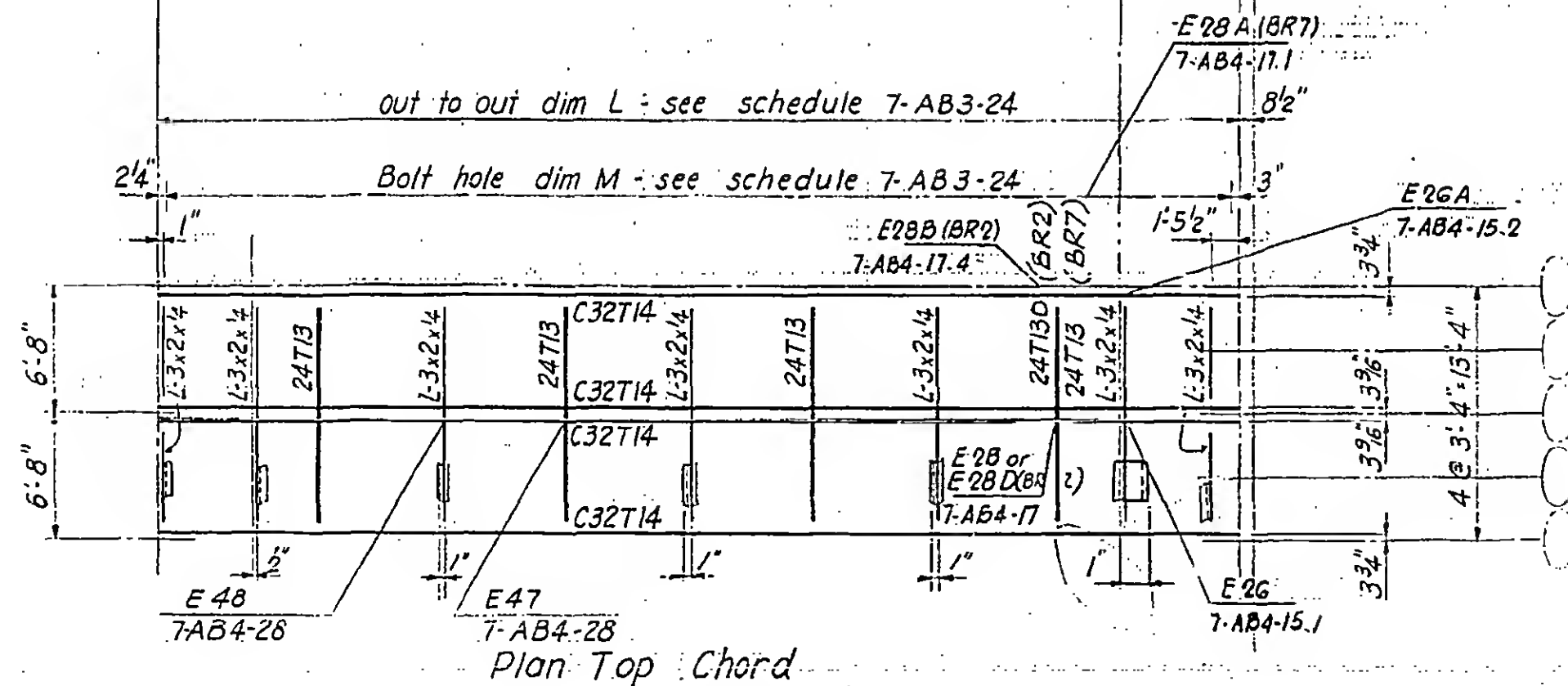
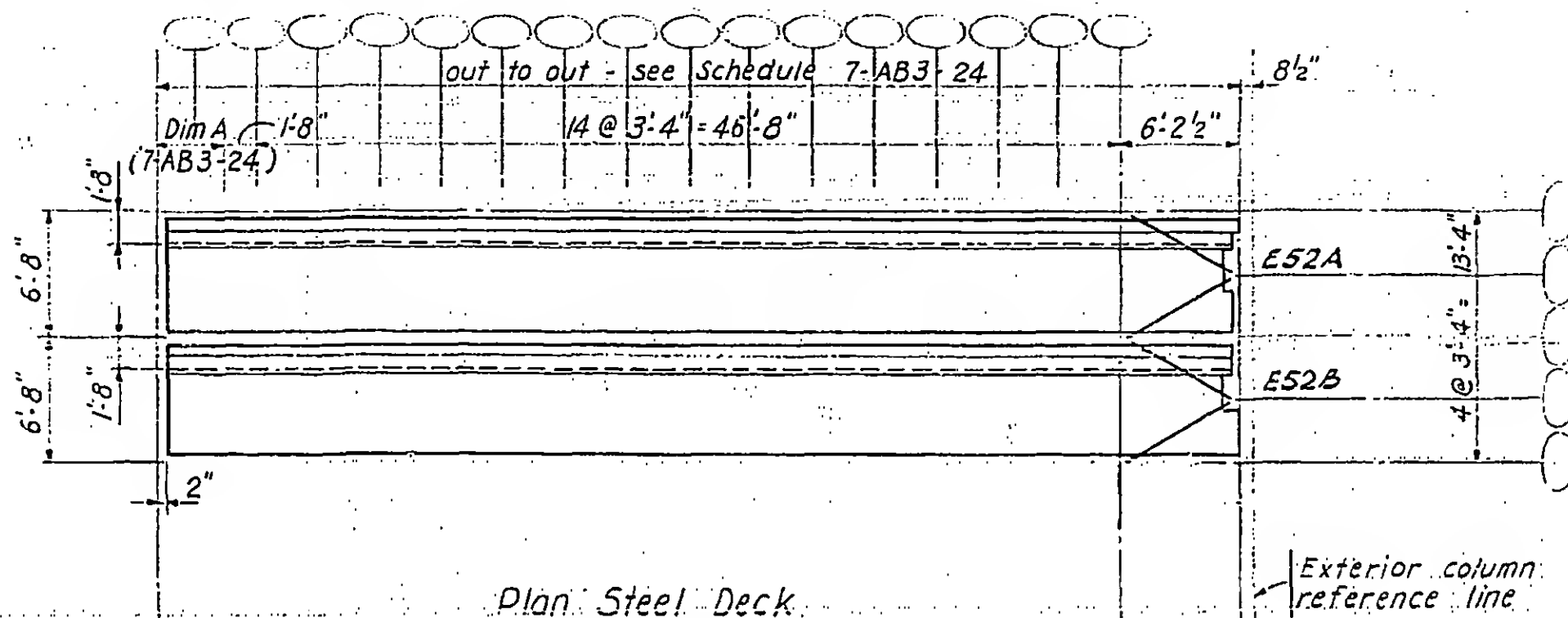


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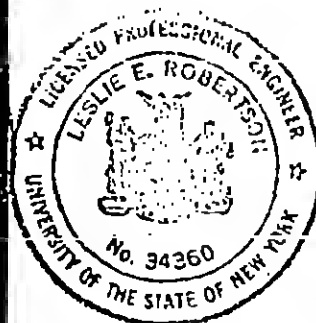


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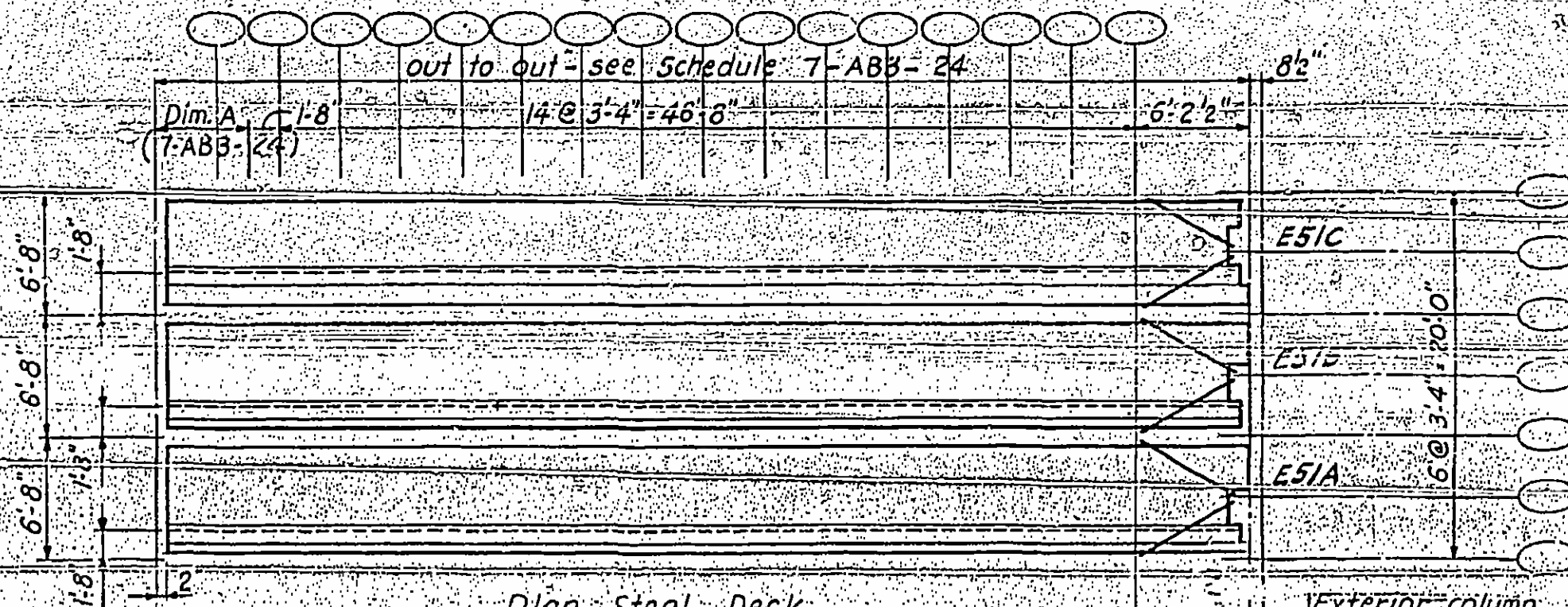
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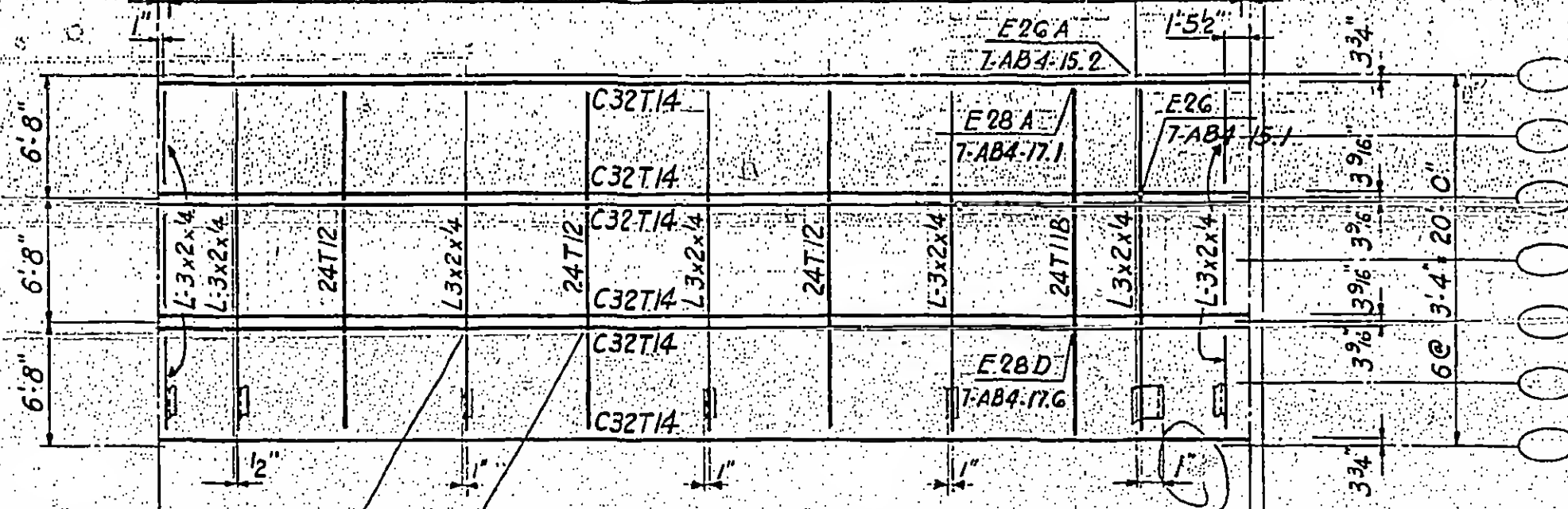


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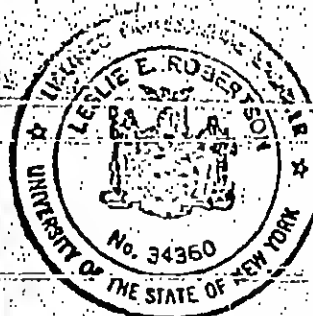


Plan Steel Deck  
 out to out dimension L - see schedule 7-AB3-24  
 Bolt hole dimension M - see schedule 7-AB3-24



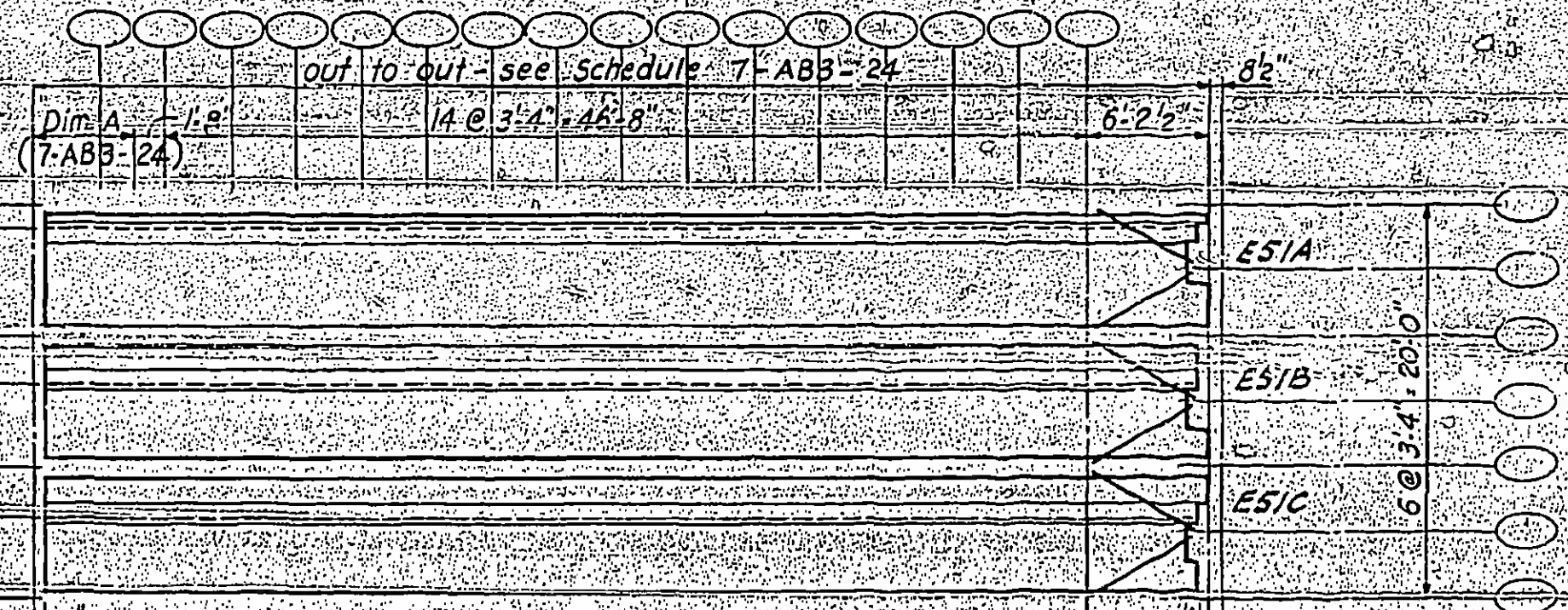
Plan Top Chord  
 E48 7-AB4-28 E47 7-AB4-28

7-AB3-28



REVISIONS

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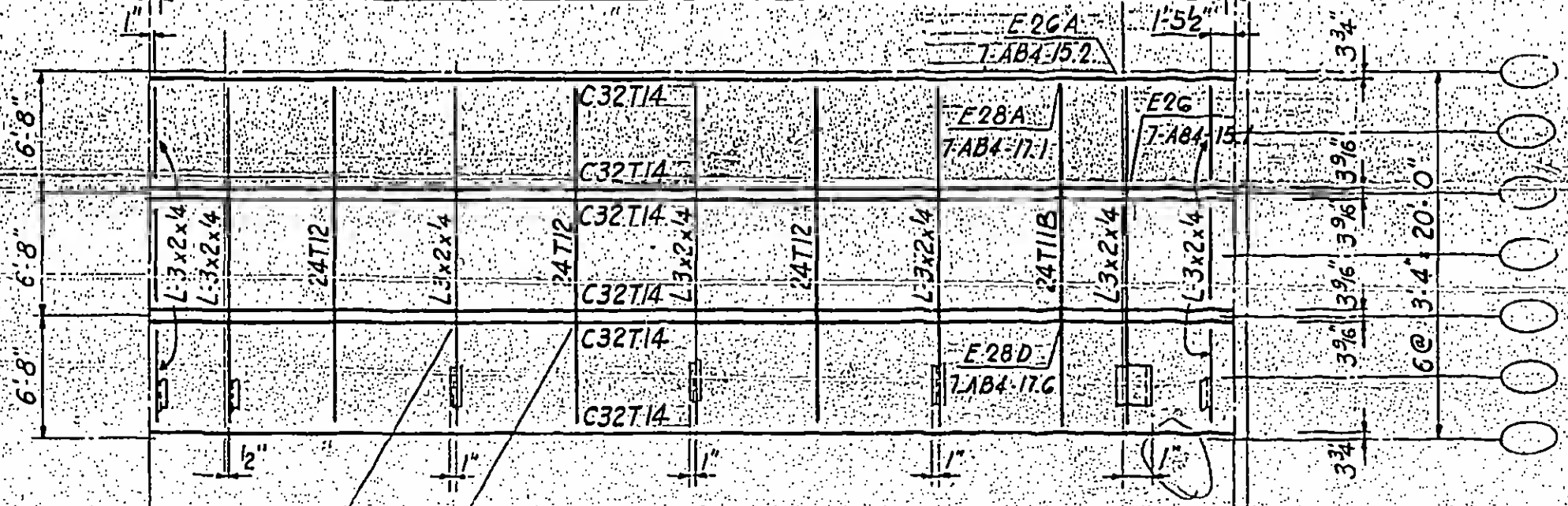


Plan Steel Deck

out to out dimension L - see schedule 7-AB3-24

Bolt hole dimension M - see schedule 7-AB3-24

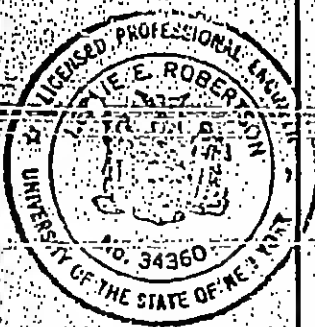
Exterior column reference line



Plan Top Chord

E48 7AB4-28 E47 7-AB4-28

7-AB3-29





PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL D2 & D7

DATE 8-15-68

## REVISIONS

10-4-68

Out to out dimension - see schedule 7-AB3-24

Dim. Att. 1/5 =

14	@	5	4	46	8
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46-8

6'2 1/2"

8 1/2"

E52C

**E52B**

**E5/A**

### Plan Steel Deck

Out to out dimension = L = see schedule 7-AB3-24

Bolt hole dimension M-see schedule 7-AB3-24

Exterior column  
reference line

E26A  
7-AB4-15.2

1'5 1/2"

34

26

396

8/5/16

3.9%

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33

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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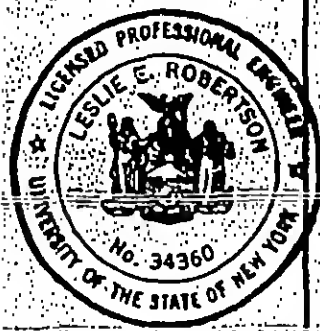
1997

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### Plan Top Chord

E28-E28E See 7-AB4-17  
E41A See 7-AB4-22

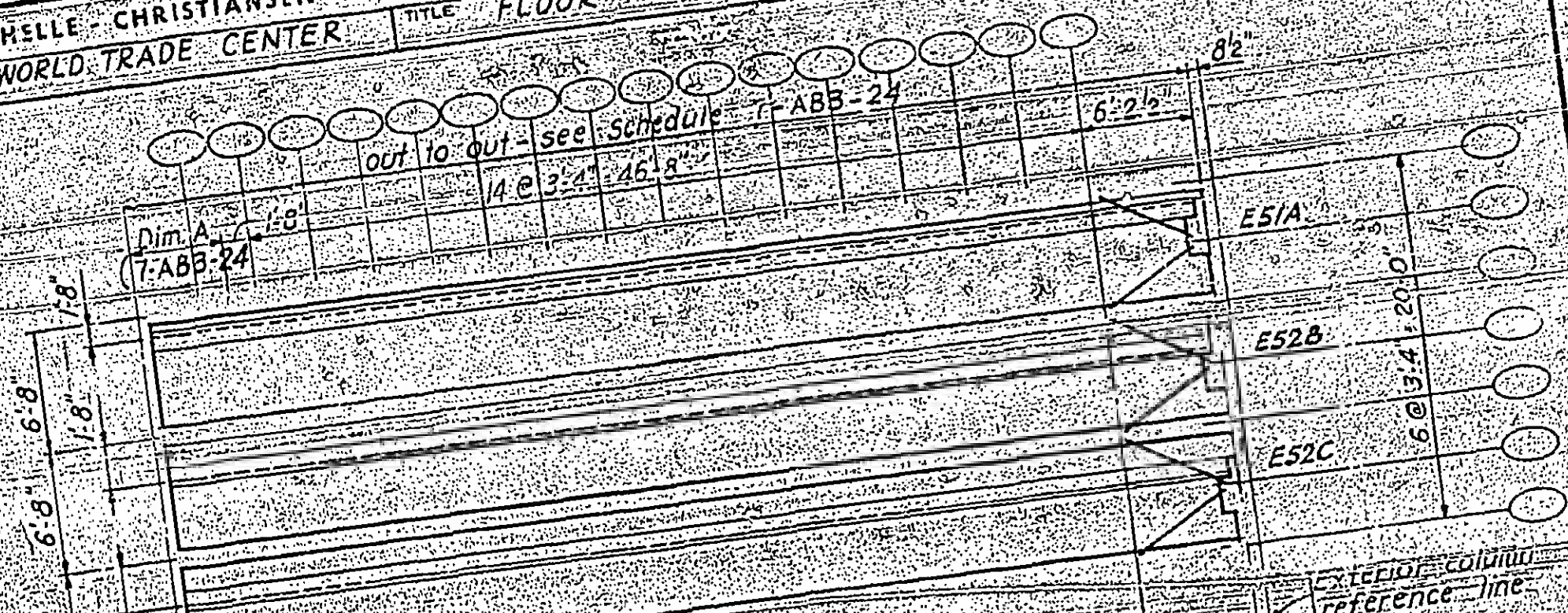
T-AB3-30



FLOOR PANEL DR2 & DR7

REVISIONS

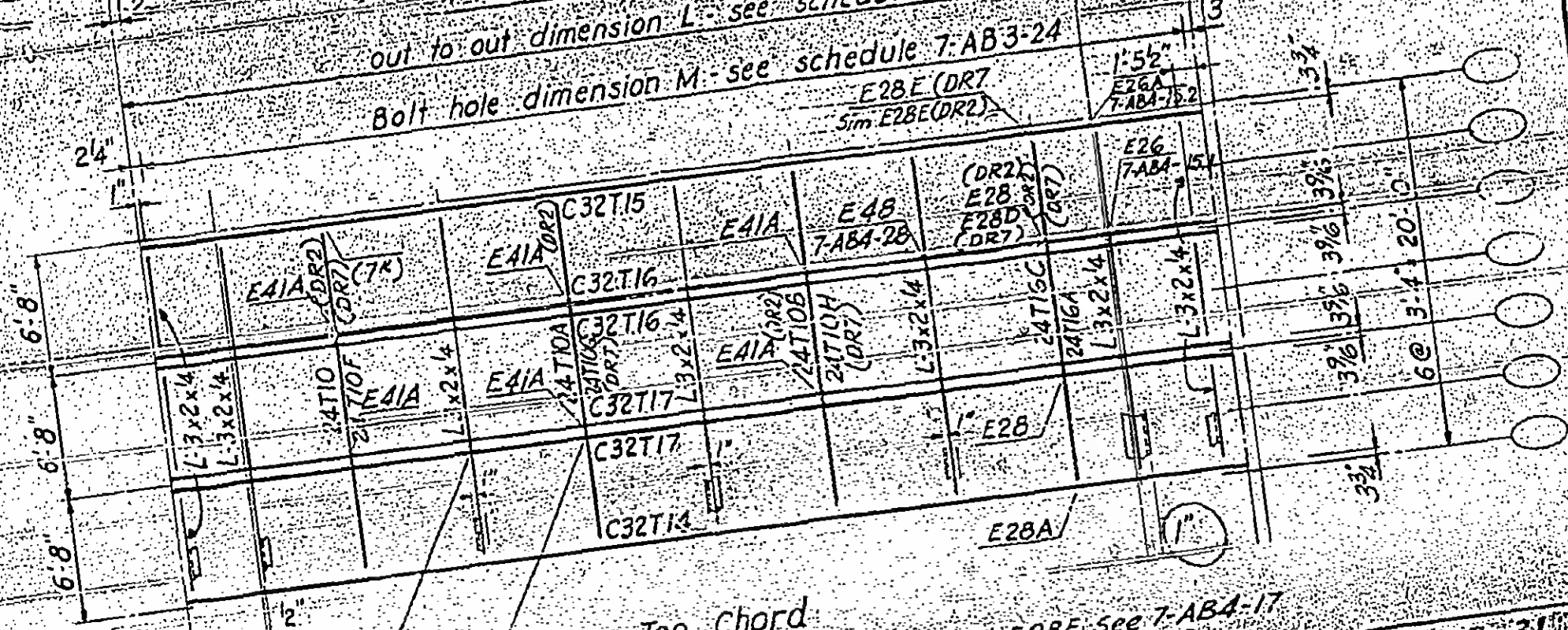
10-4-68



Plan Steel Deck.

Plan Steel Deck  
out to out dimension L - see schedule 7-AB3-24

out to out dimension L - see schedule 7: AB 3-24  
Bolt hole dimension M - see schedule 7: AB 3-24  
E28E (DR7)  
Sim E28E (DR2)



Plan Top Chord

E28-E28E see 7-AB4-17  
E41A see 7-AB4-22

7-AB3-31





## Structural & Civil Engineers

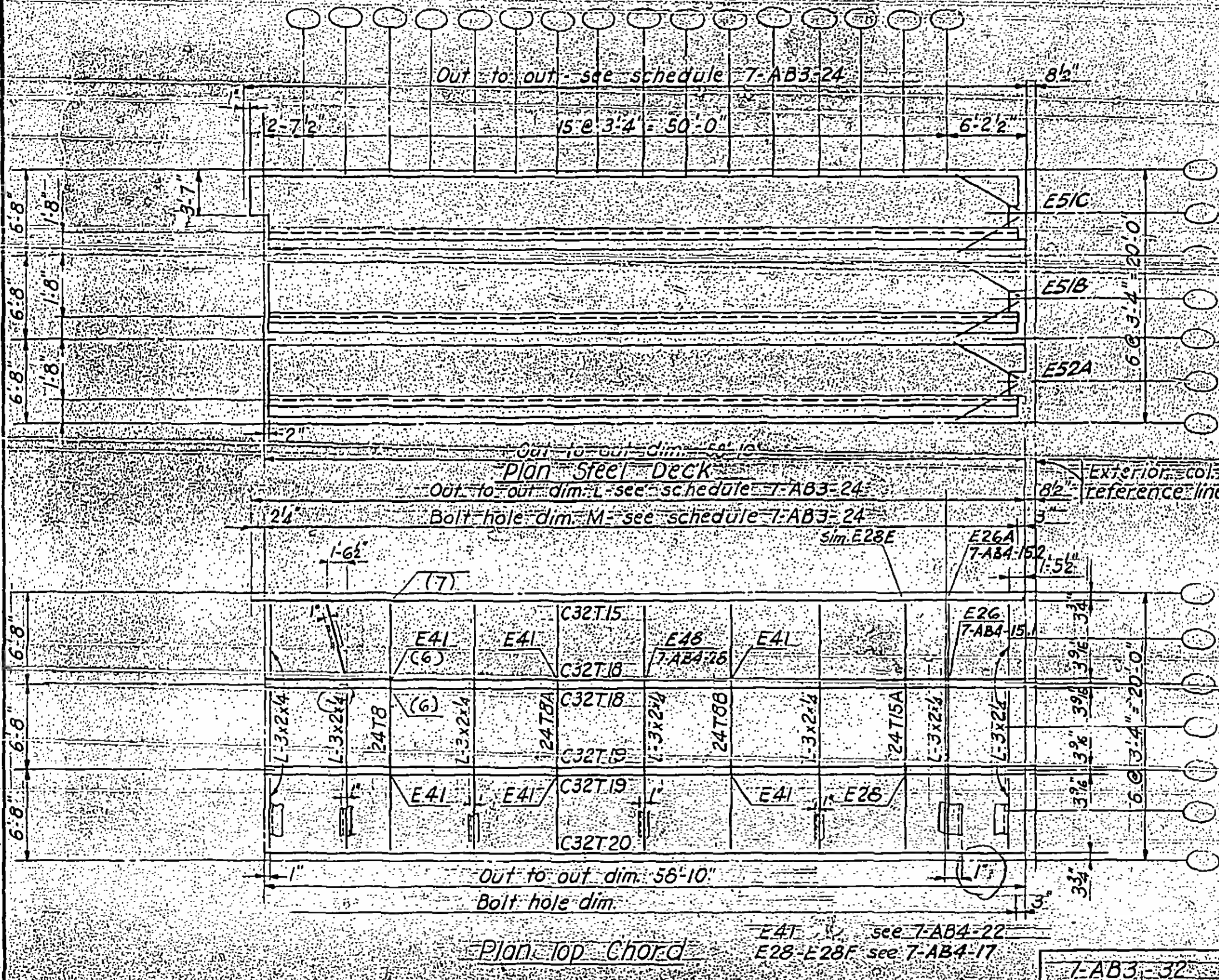
PROJECT THE WORLD TRADE CENTER

TITLE 9 FLOOR, PANEL E2

DATE 8-15-68

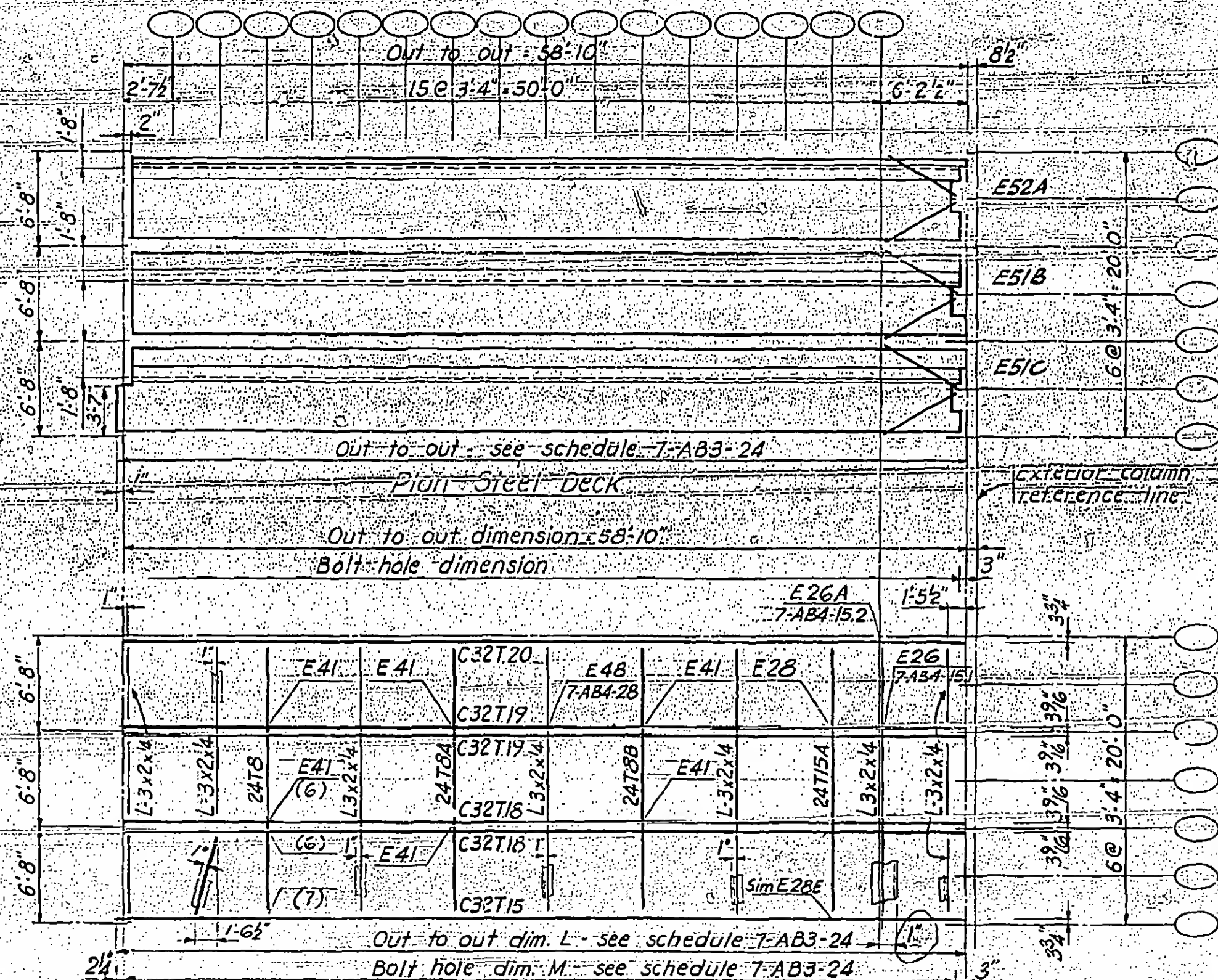
## REVISIONS

10-4-68



## REVISIONS

10-4-68



### Plan Top Chord

E 28-28 F see 7-AB4-17  
E41-see 7-AB4-22

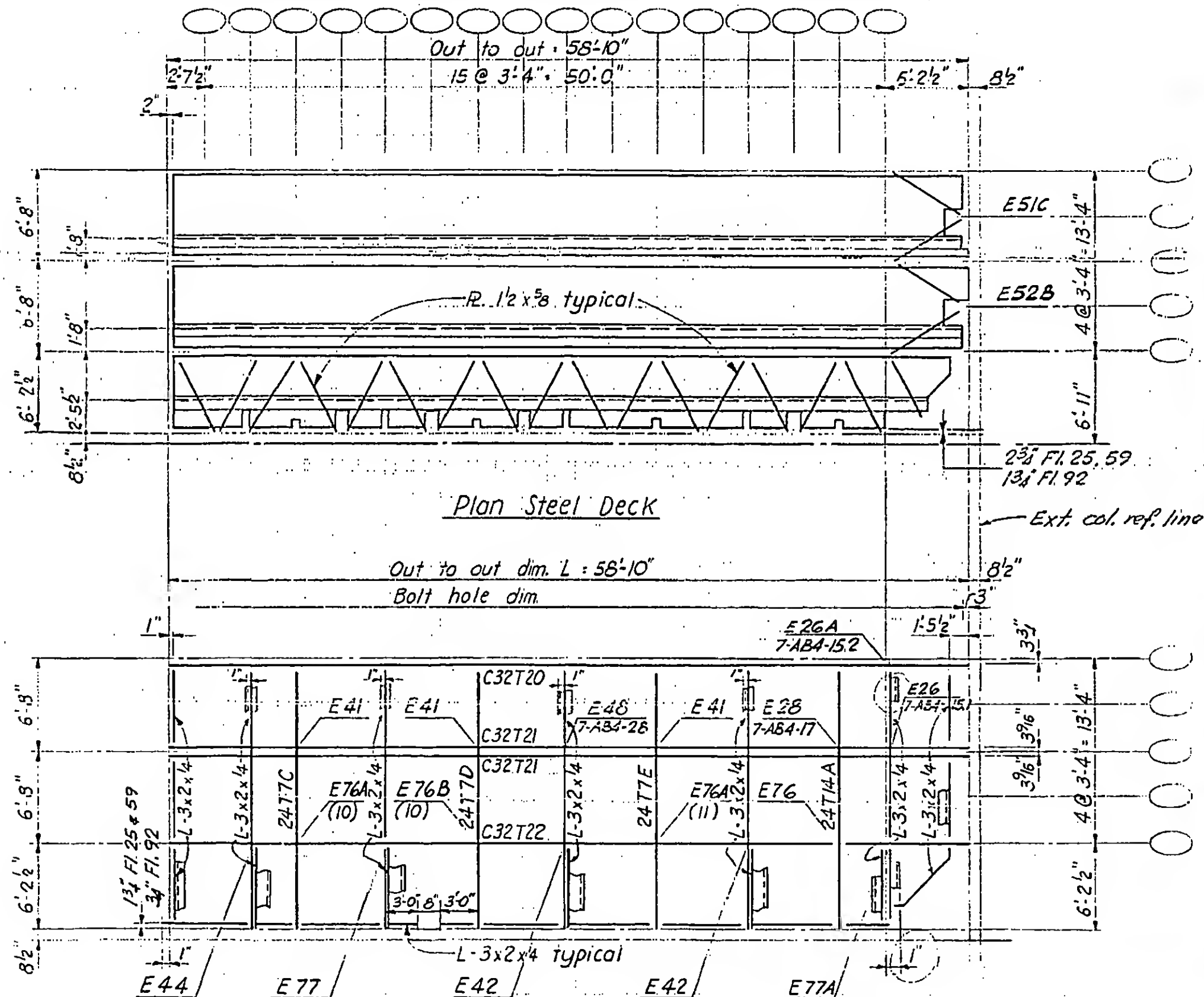
7-AB3-33





## REVISIONS

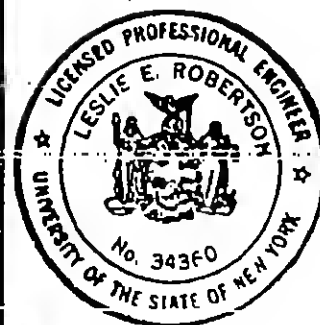
10-4-68



Plan Top Chord.

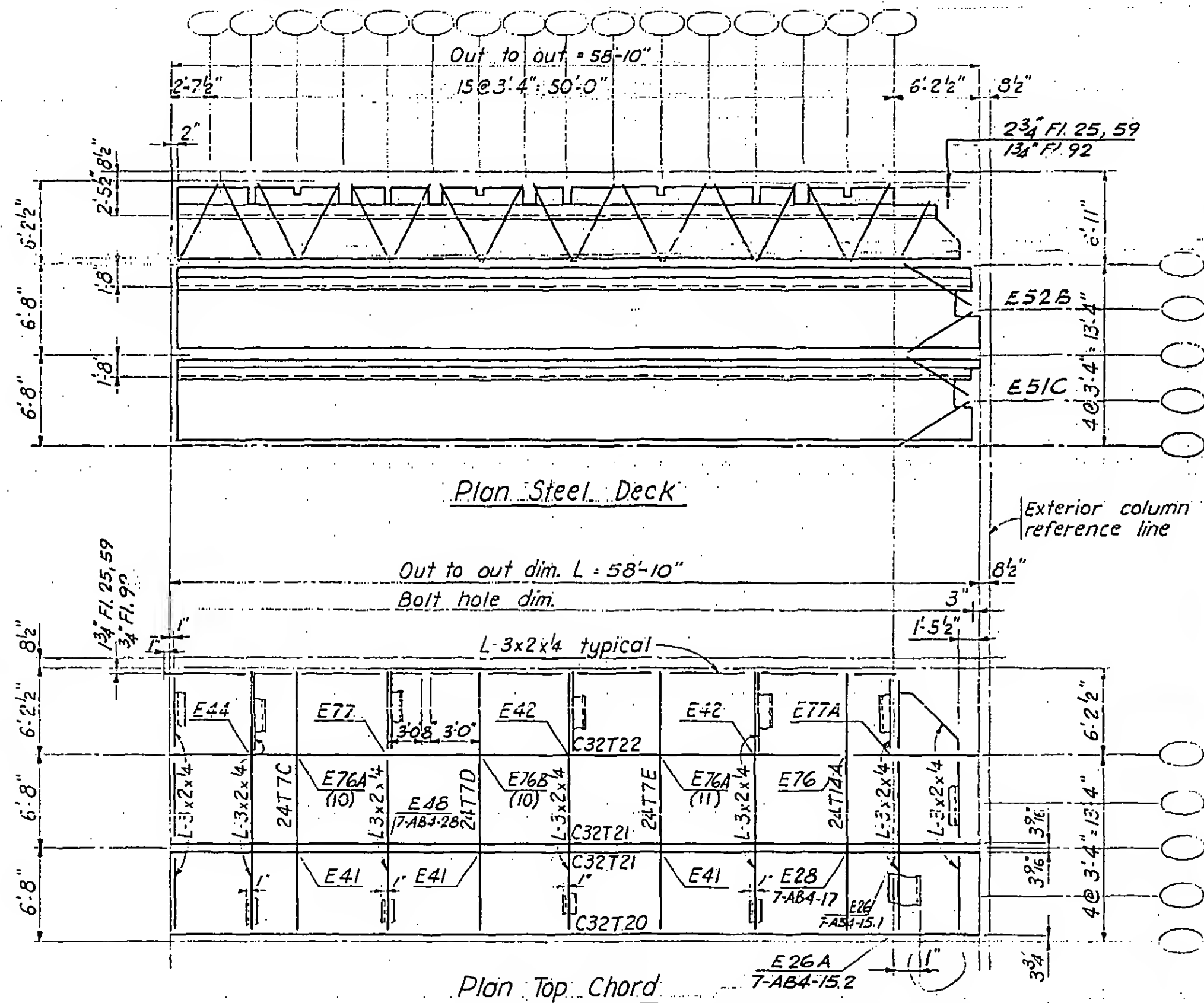
E 76-E77 see 7-AB4-57-61  
E 41-E44 see 7-AB4-22-25

7-AB3-34



## REVISIONS

10-4-68



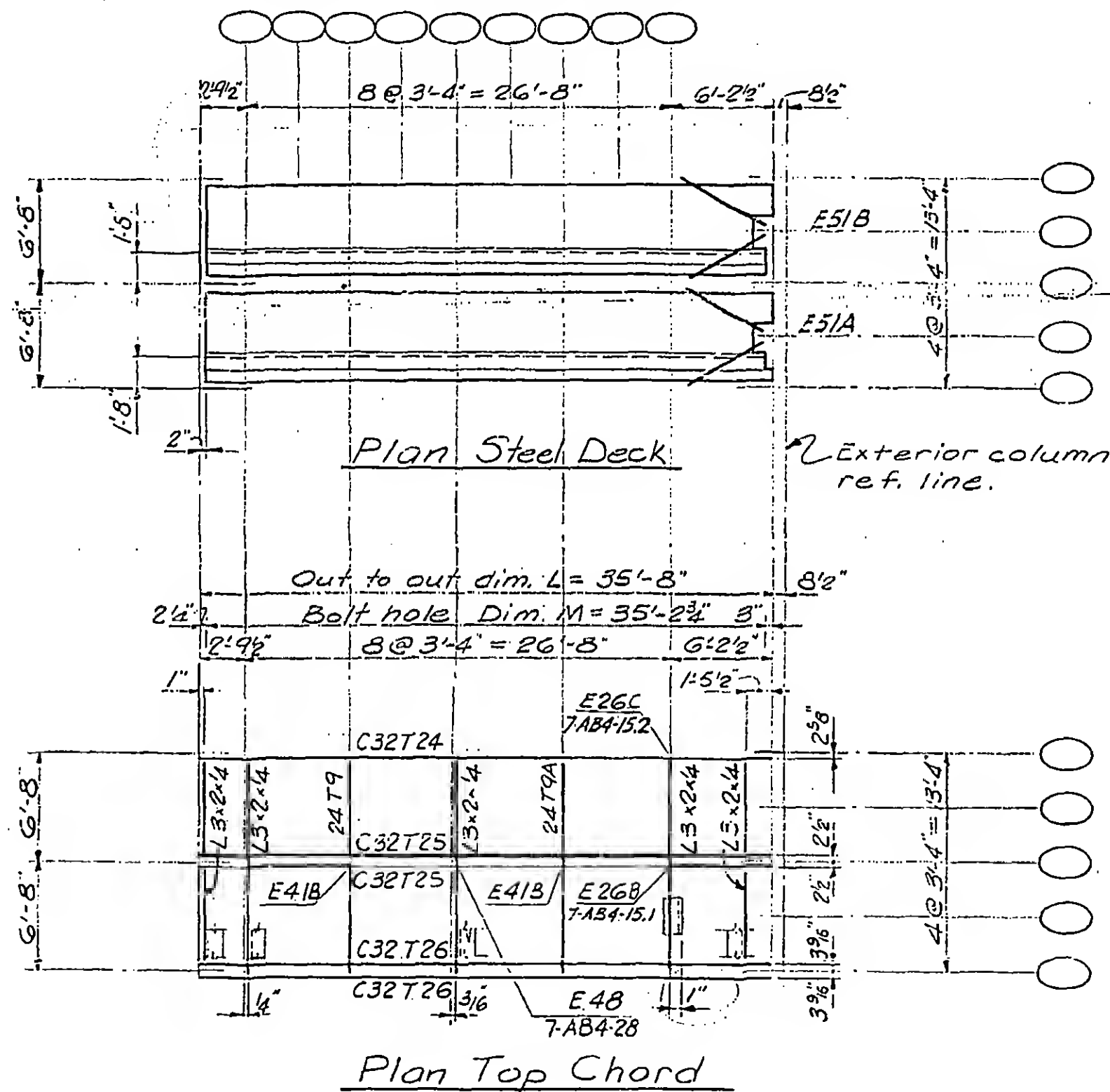
E41-E44 see 7-AB4-22-25  
E76-E77 see 7-AB4-57-61

7-AB3 -35



## REVISIONS

10-4-68



E41B-sec Divg. 7-AB4-22.1

7-AB3-36



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

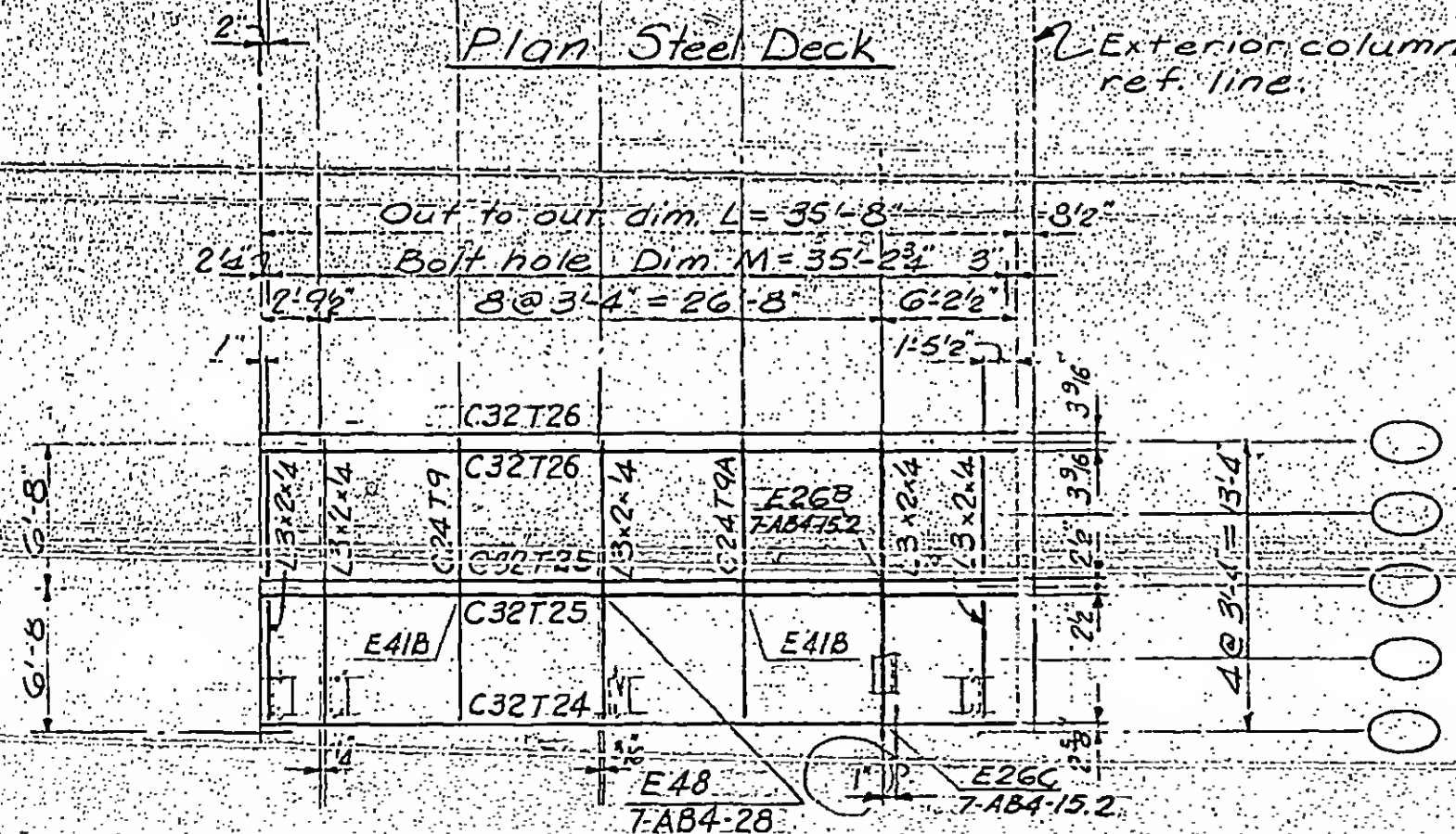
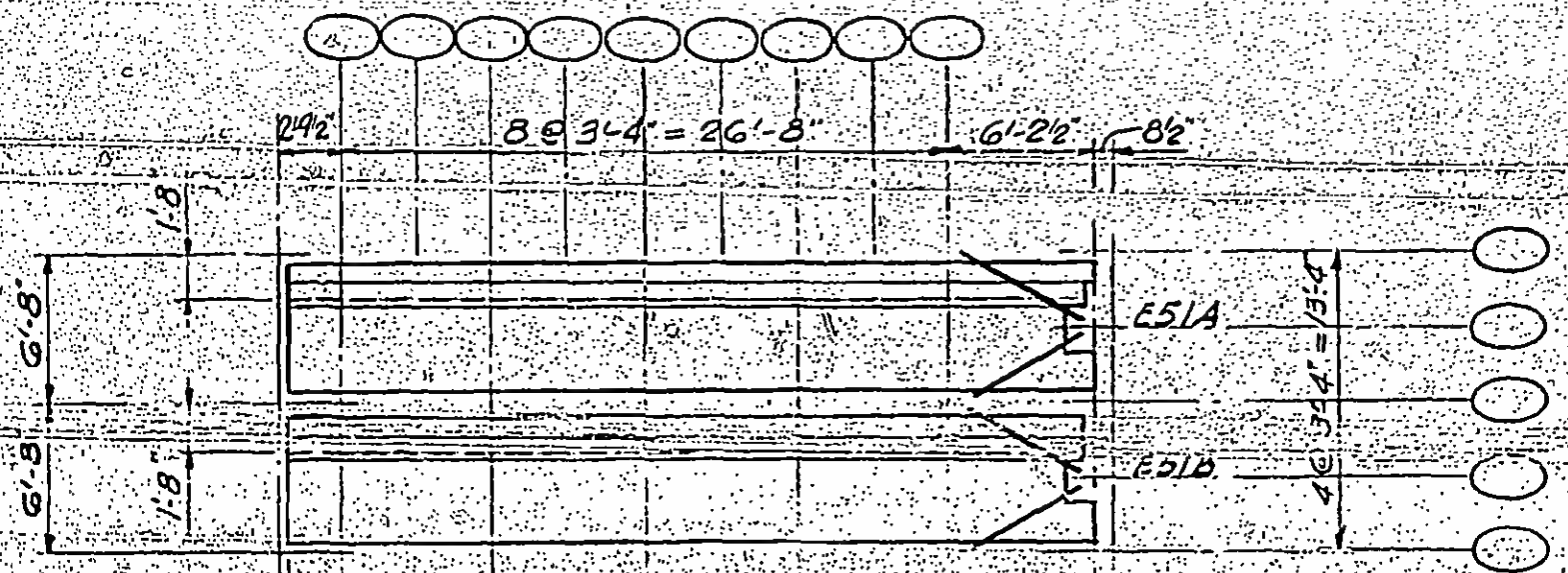
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL 6R2

DATE 8-15-68

REVISIONS

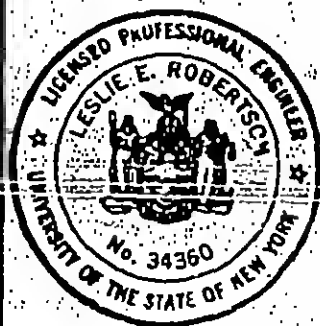
10-4-68



Plan Top Chord

E41B - see Dwg. 7-AB4-22.1

7-AB3-37





PROJECT - THE WORLD TRADE CENTER

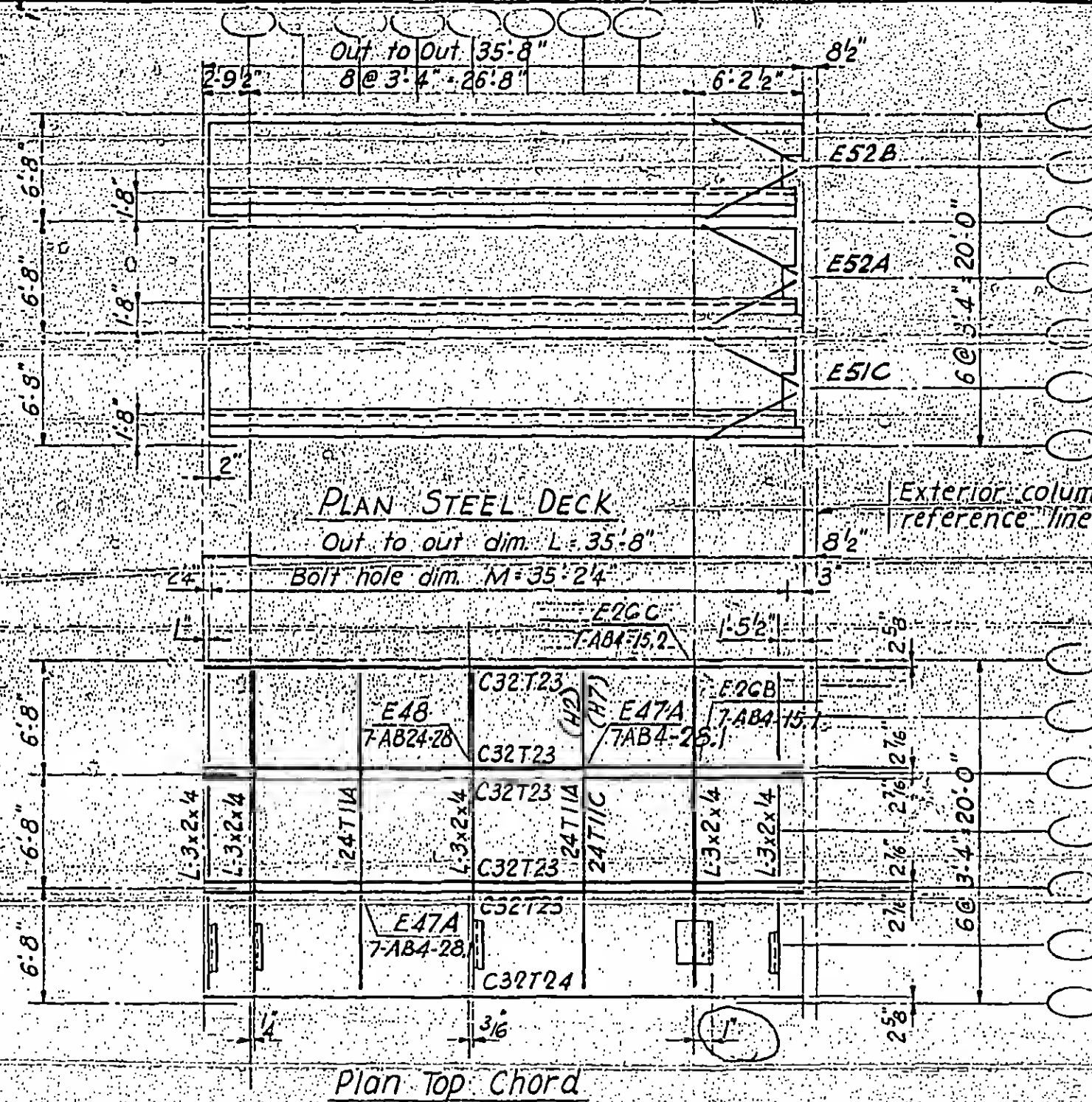
TITLE FLOOR PANEL H2 & H7

DATE 8-1-68

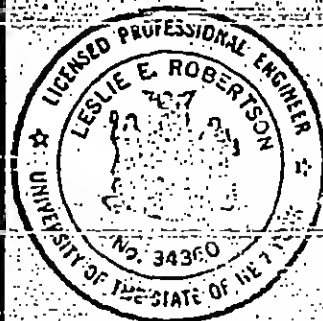
## REVISIONS

8.15.68

10-4-68



## Plan Top Chord



7-AB3-38

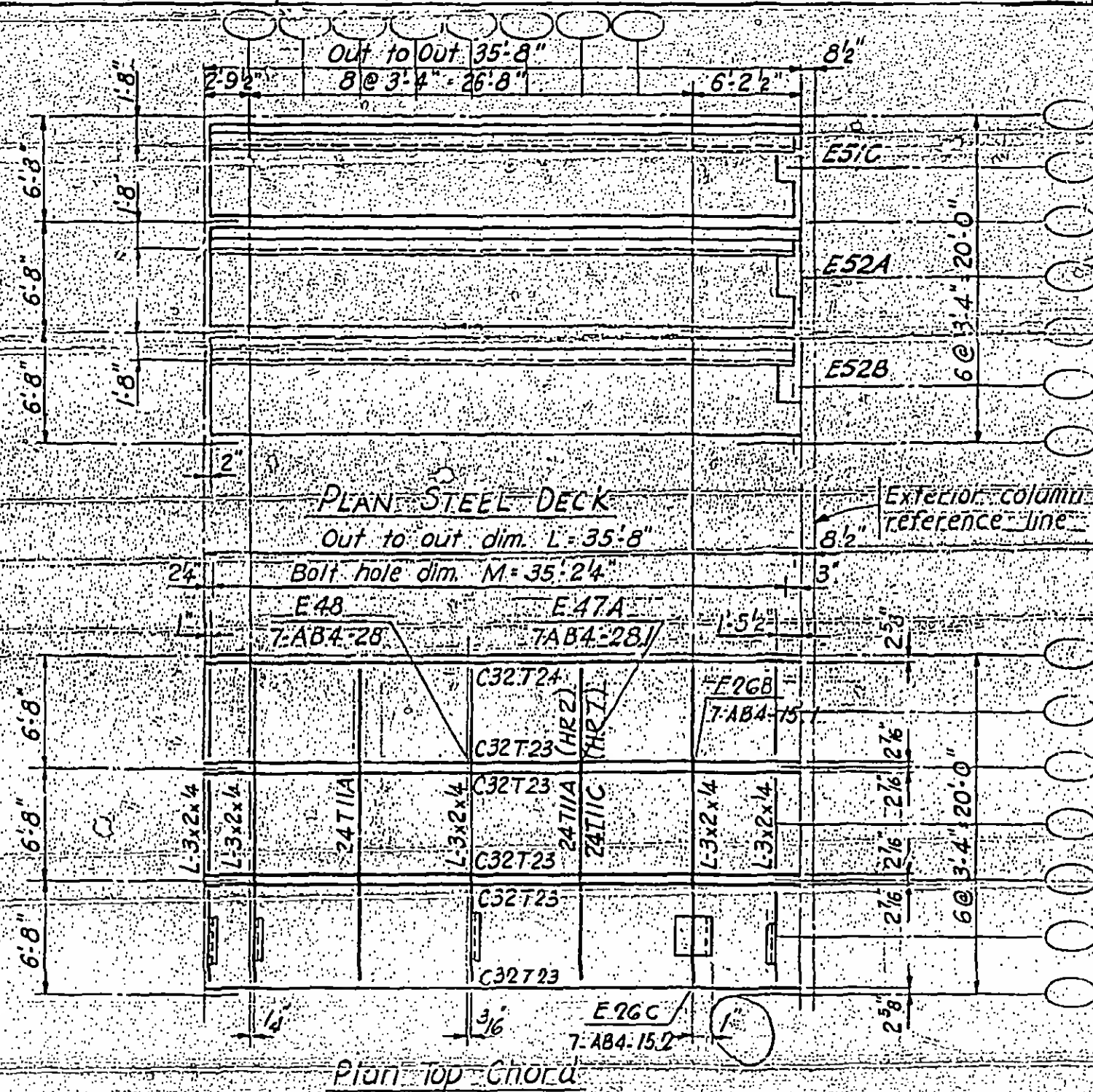
## Structural & Civil Engineers

TITLE FLOOR PANEL HR 2 & HK 7

DATE 8-1-68

## REVISIONS

8-15-68  
10-4-68



7-AB3-39



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Structural &amp; Civil Engineers

PROJECT

THE WORLD TRADE CENTER

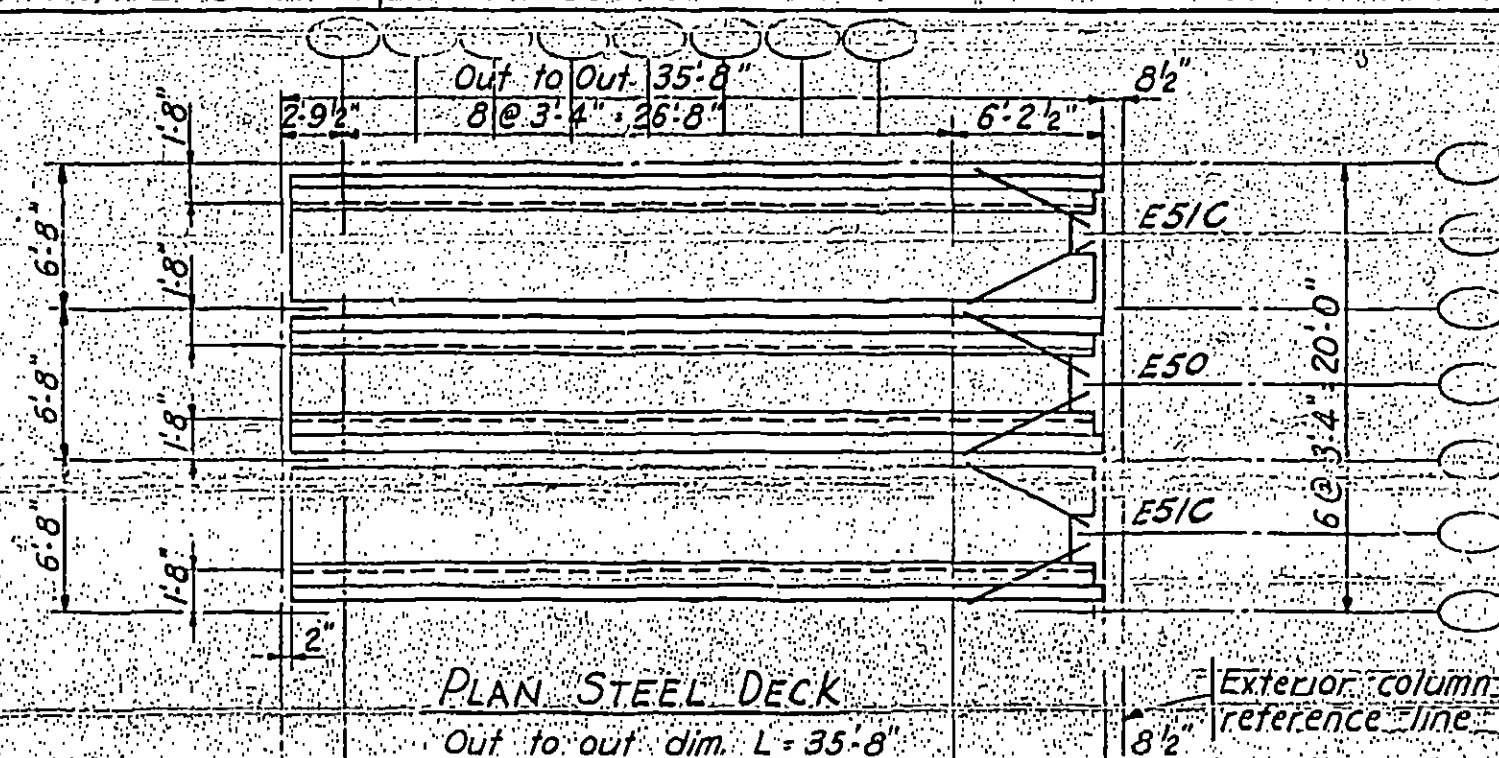
TITLE

FLOOR PANEL J2

DATE

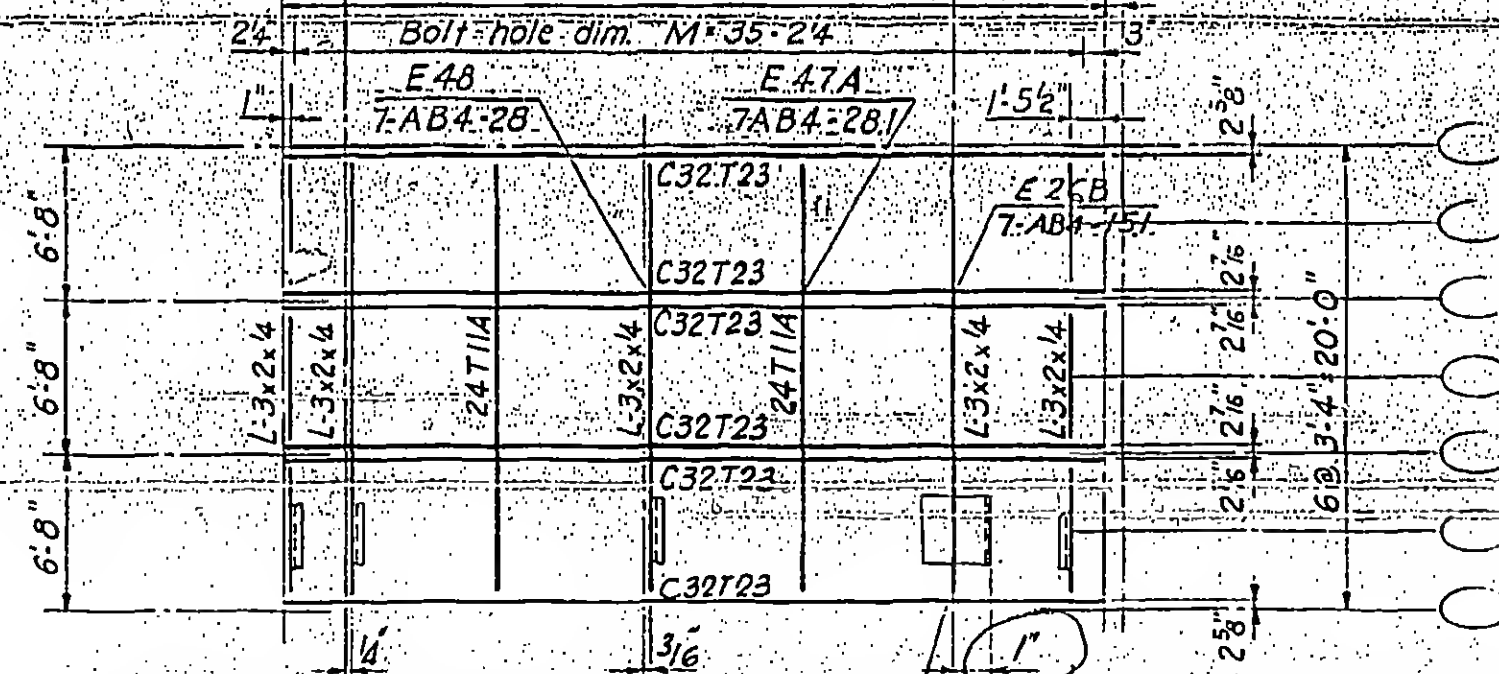
8-7-68

## REVISIONS

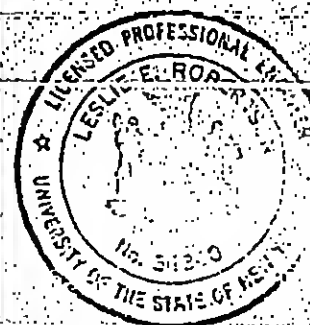
8-15-68  
10-4-68

## PLAN STEEL DECK

Out to out dim. L = 35'-8"

Exterior column  
reference line

## Plan Top Chord

E26C  
T-AB4-15.2

T-AB3-40

REVISIONS											
PANEL NO.									OUT TO OUT PANEL DIM. L	BOLT HOLE DIMENSION M	DIMENSION A
A3A	B3A	BR3A	C3A	CR3A	D3A	DR3A	E3A	ER3A	59'-9"	59'-3 <sup>3</sup> / <sub>4</sub> "	5'-2 <sup>1</sup> / <sub>2</sub> "
A3B	B3B	BR3B	C3B	CR3B	D3B	DR3B	E3B	ER3B	59'-8 <sup>1</sup> / <sub>2</sub> "	59'-3 <sup>1</sup> / <sub>4</sub> "	5'-2"
A3C	B3C	BR3C	C3C	CR3C	D3C	DR3C	E3C	ER3C	59'-8"	59'-2 <sup>3</sup> / <sub>4</sub> "	5'-1 <sup>1</sup> / <sub>2</sub> "
A3D	B3D	BR3D	C3D	CR3D	D3D	DR3D	E3D	ER3D	59'-5"	58'-11 <sup>3</sup> / <sub>4</sub> "	4'-10 <sup>1</sup> / <sub>2</sub> "
A3E	B3E	BR3E	C3E	CR3E	D3E	DR3E	E3E	ER3E	59'-3"	58'-9 <sup>3</sup> / <sub>4</sub> "	4'-8 <sup>1</sup> / <sub>2</sub> "
A3F	B3F	BR3F	C3F	CR3F	D3F	DR3F	E3F	ER3F	59'-2"	58'-8 <sup>3</sup> / <sub>4</sub> "	4'-7 <sup>1</sup> / <sub>2</sub> "
A3G	B3G	BR3G	C3G	CR3G	D3G	DR3G	E3G	ER3G	58'-7 <sup>1</sup> / <sub>2</sub> "	58'-5 <sup>3</sup> / <sub>4</sub> "	4'-4 <sup>1</sup> / <sub>2</sub> "
A3H	B3H	BR3H	C3H	CR3H	D3H	DR3H	E3H	ER3H	58'-8"	58'-2 <sup>3</sup> / <sub>4</sub> "	4'-1 <sup>1</sup> / <sub>2</sub> "
A3J	B3J	BR3J	C3J	CR3J	D3J	DR3J	E3J	ER3J	58'-7"	58'-1 <sup>3</sup> / <sub>4</sub> "	4'-0 <sup>1</sup> / <sub>2</sub> "
A3K	B3K	BR3K	C3K	CR3K	D3K	DR3K	E3K	ER3K	58'-6"	58'-0 <sup>3</sup> / <sub>4</sub> "	3'-11 <sup>1</sup> / <sub>2</sub> "
A3M	B3M	BR3M	C3M	CR3M	D3M	DR3M	E3M	ER3M	58'-3"	57'-9 <sup>3</sup> / <sub>4</sub> "	3'-8 <sup>1</sup> / <sub>2</sub> "
A3N	B3N	BR3N	C3N	CR3N	D3N	DR3N	E3N	ER3N	57'-9"	57'-3 <sup>3</sup> / <sub>4</sub> "	3'-2 <sup>1</sup> / <sub>2</sub> "
A3P	B3P	BR3P	C3P	CR3P	D3P	DR3P	E3P	ER3P	57'-7"	57'-1 <sup>3</sup> / <sub>4</sub> "	3'-0 <sup>1</sup> / <sub>2</sub> "

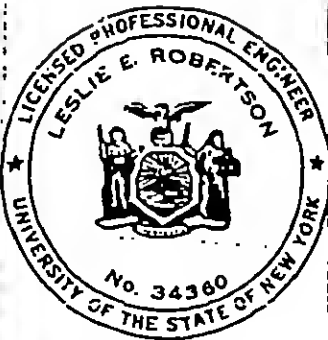
DESIGNED

DRAWN

REVIEWED

25

7-AB3-41



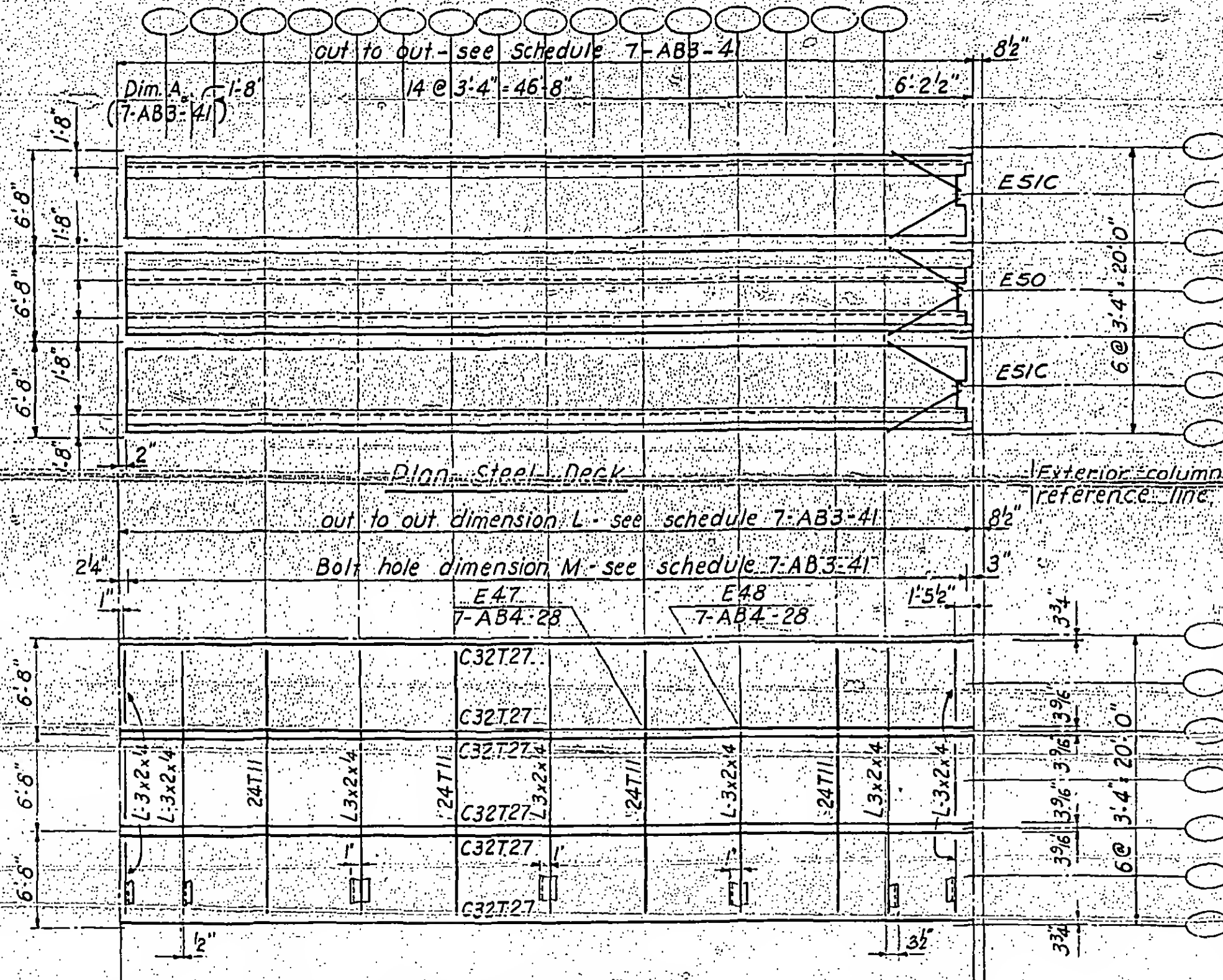
## Structural & Civil Engineers

# PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL A3

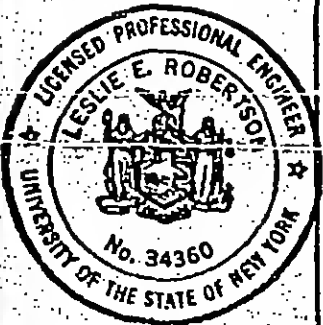
DATE 1-6-69

## REVISIONS



### Plan Top Chord

7-AB3-42





SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

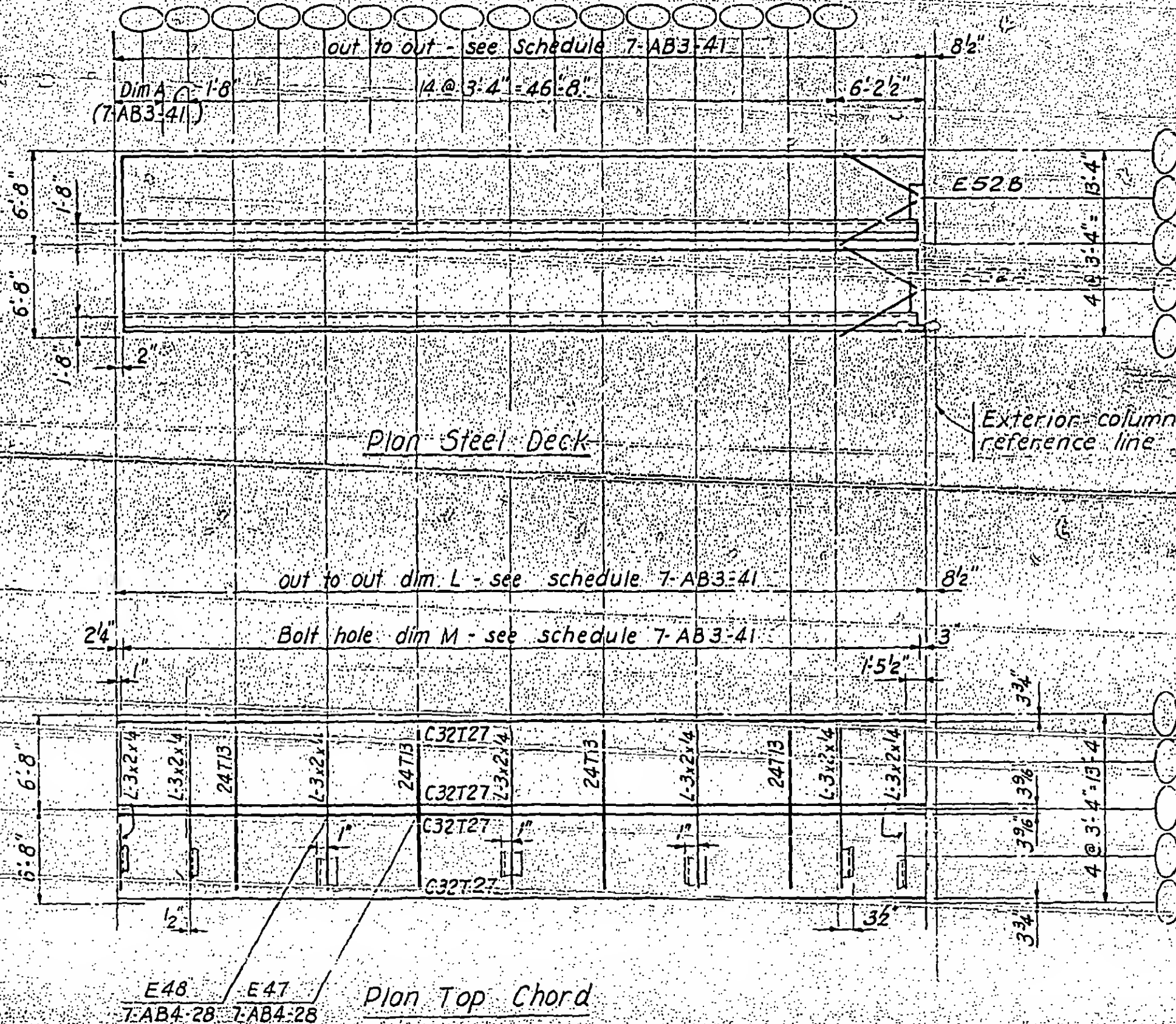
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL B3

DATE 1-6-69

REVISIONS



7-AB3-43



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

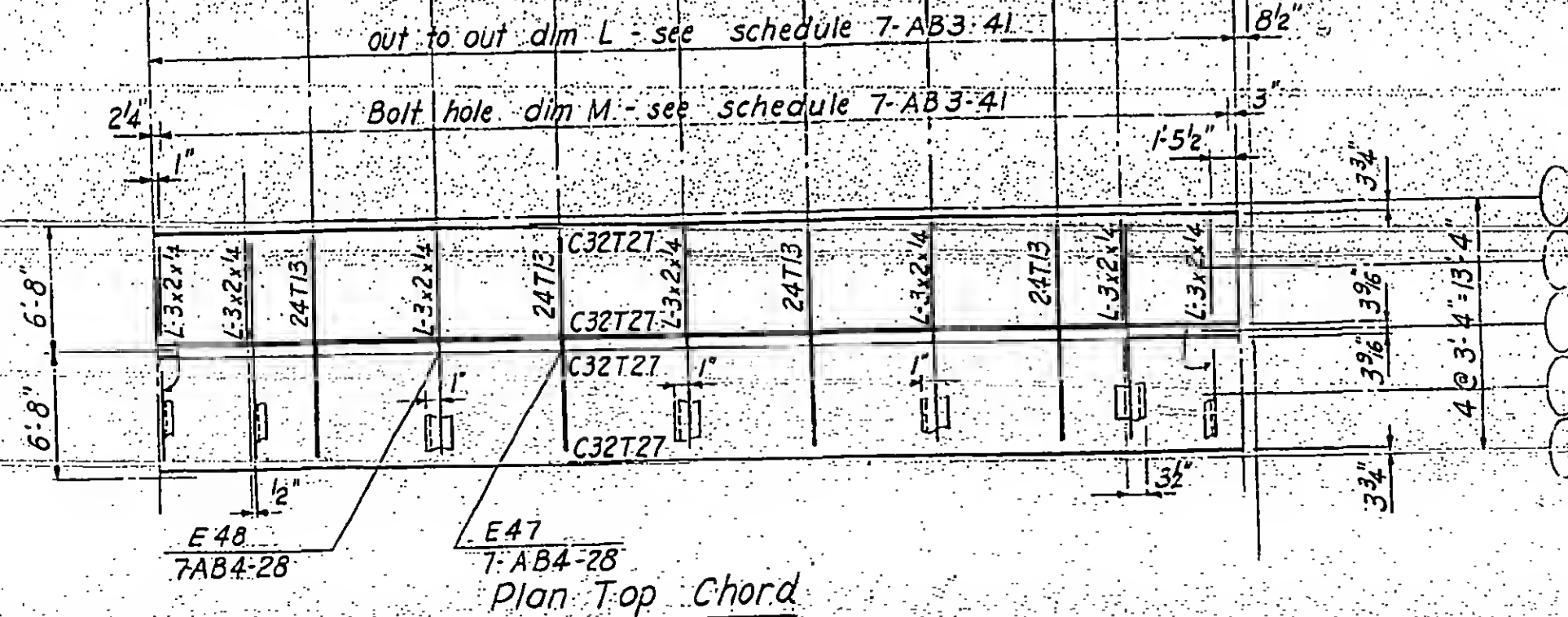
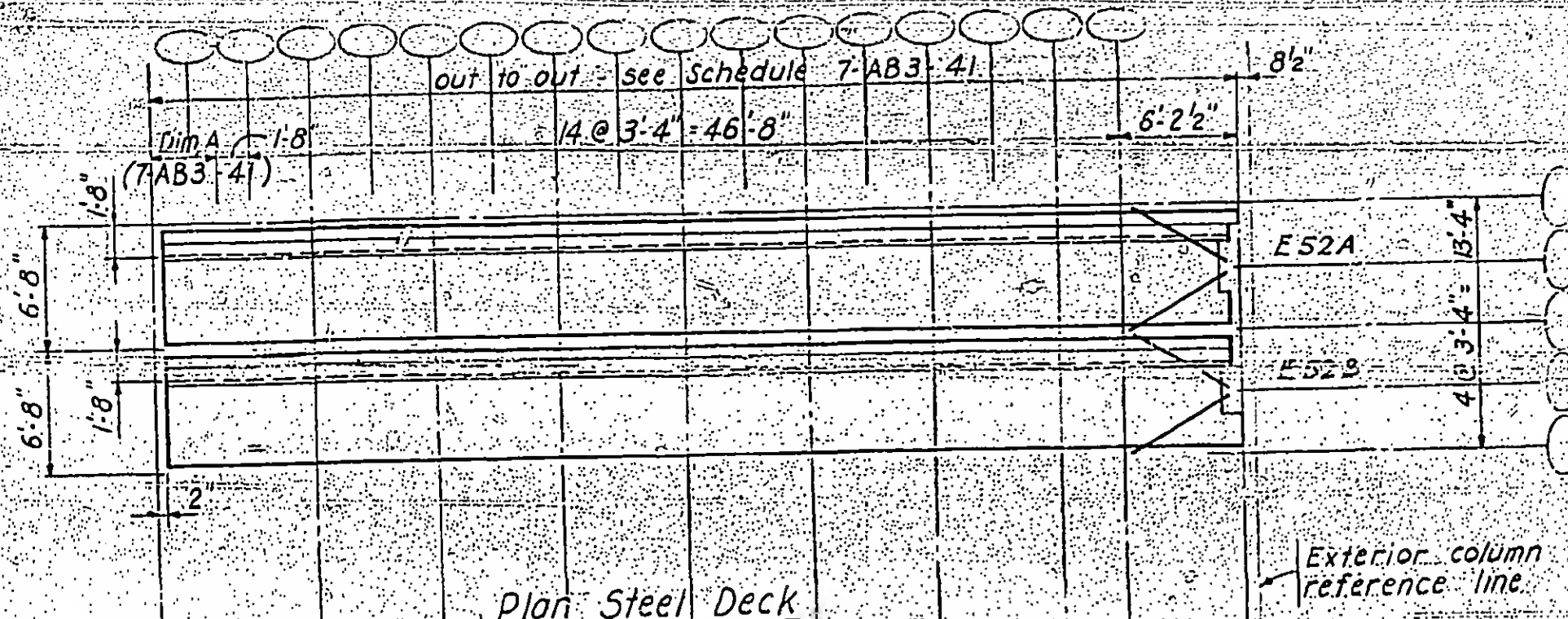
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL BR-3

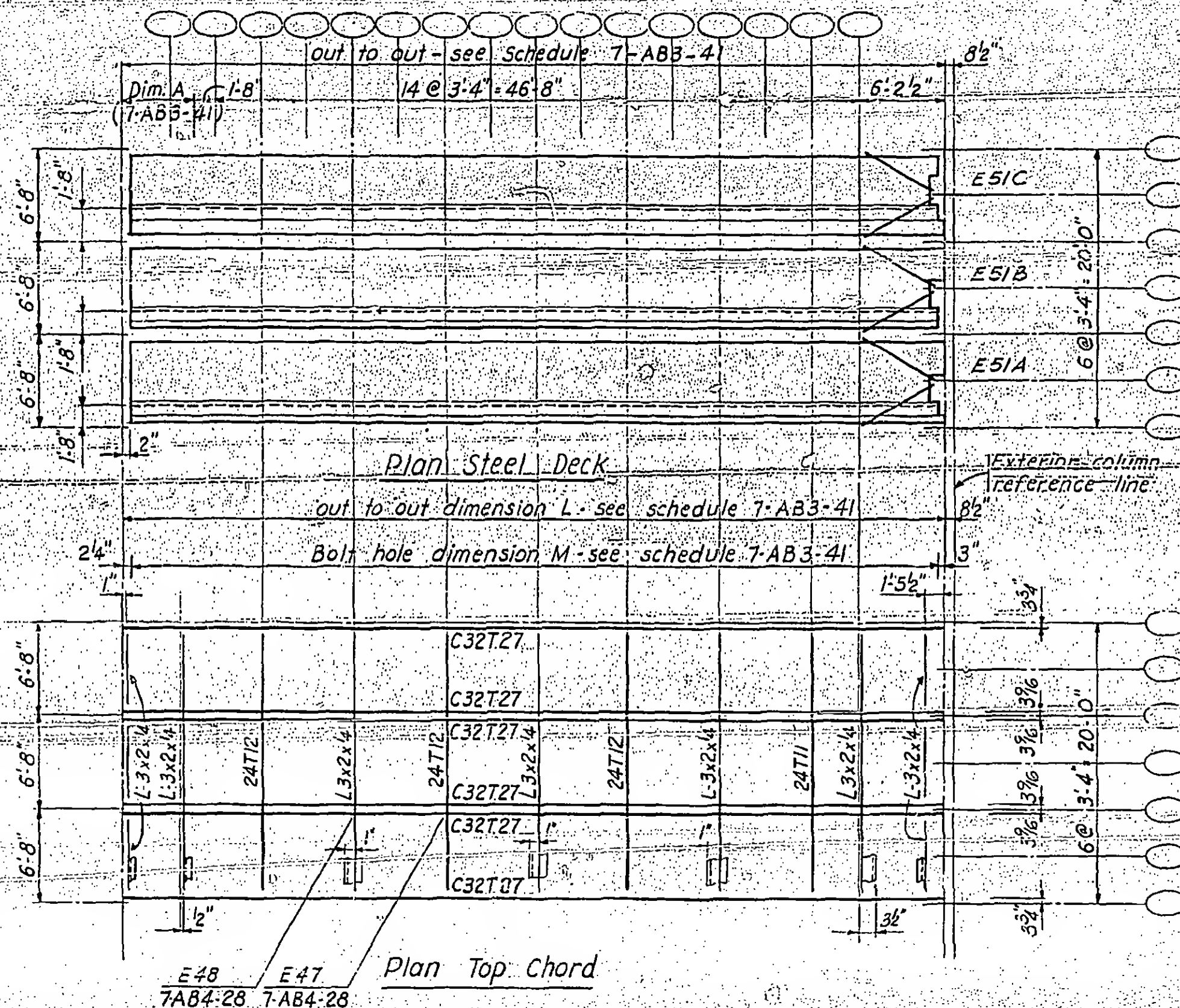
DATE 1-6-69

REVISIONS

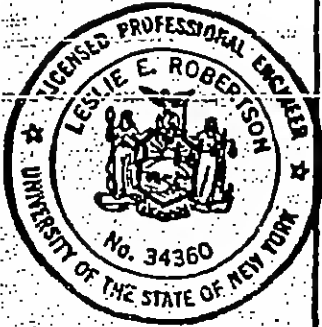
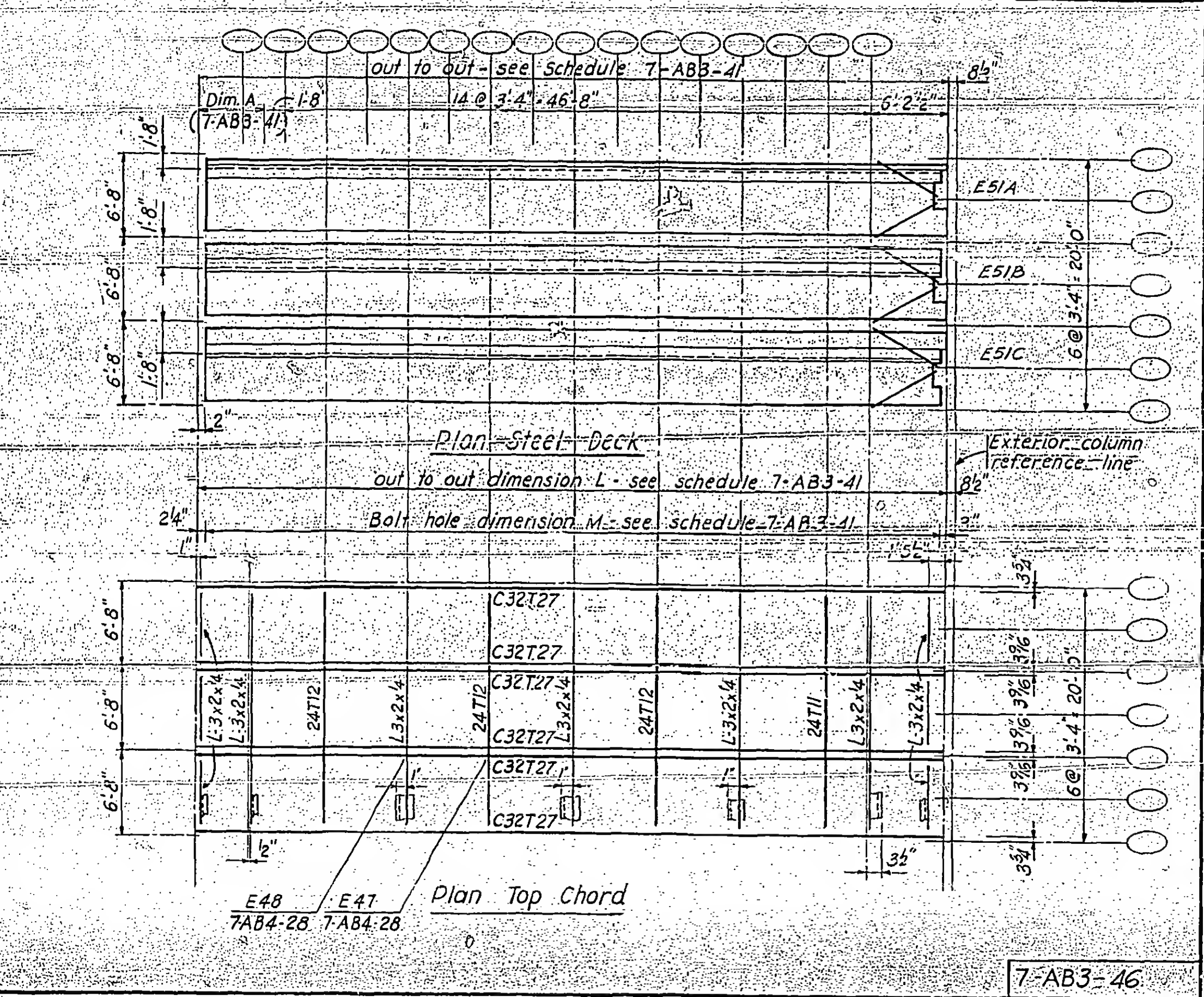


7-AB3-44

## REVISIONS



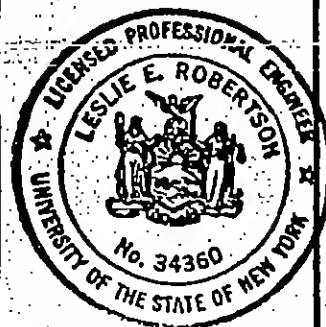
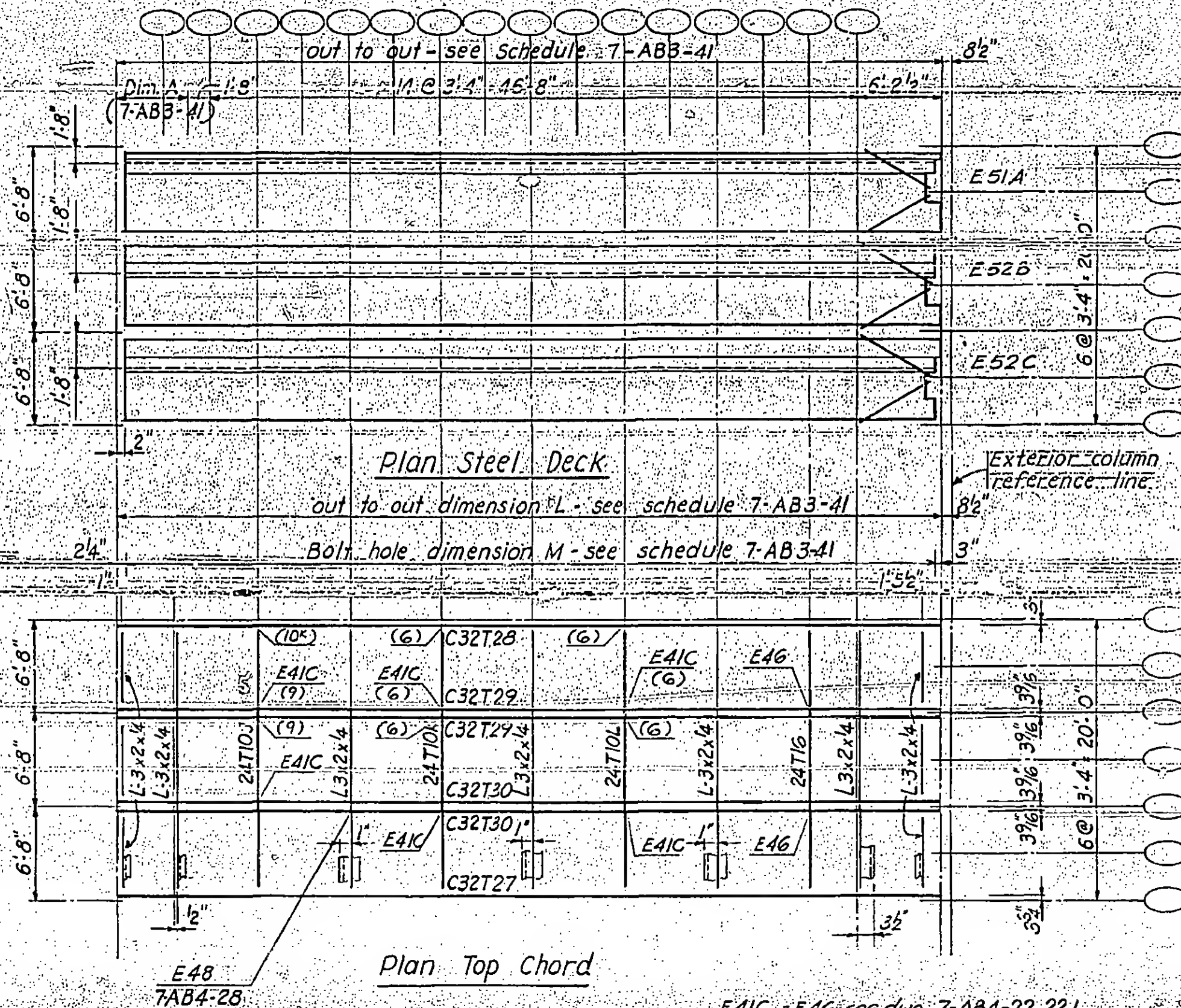
7-AB3-45





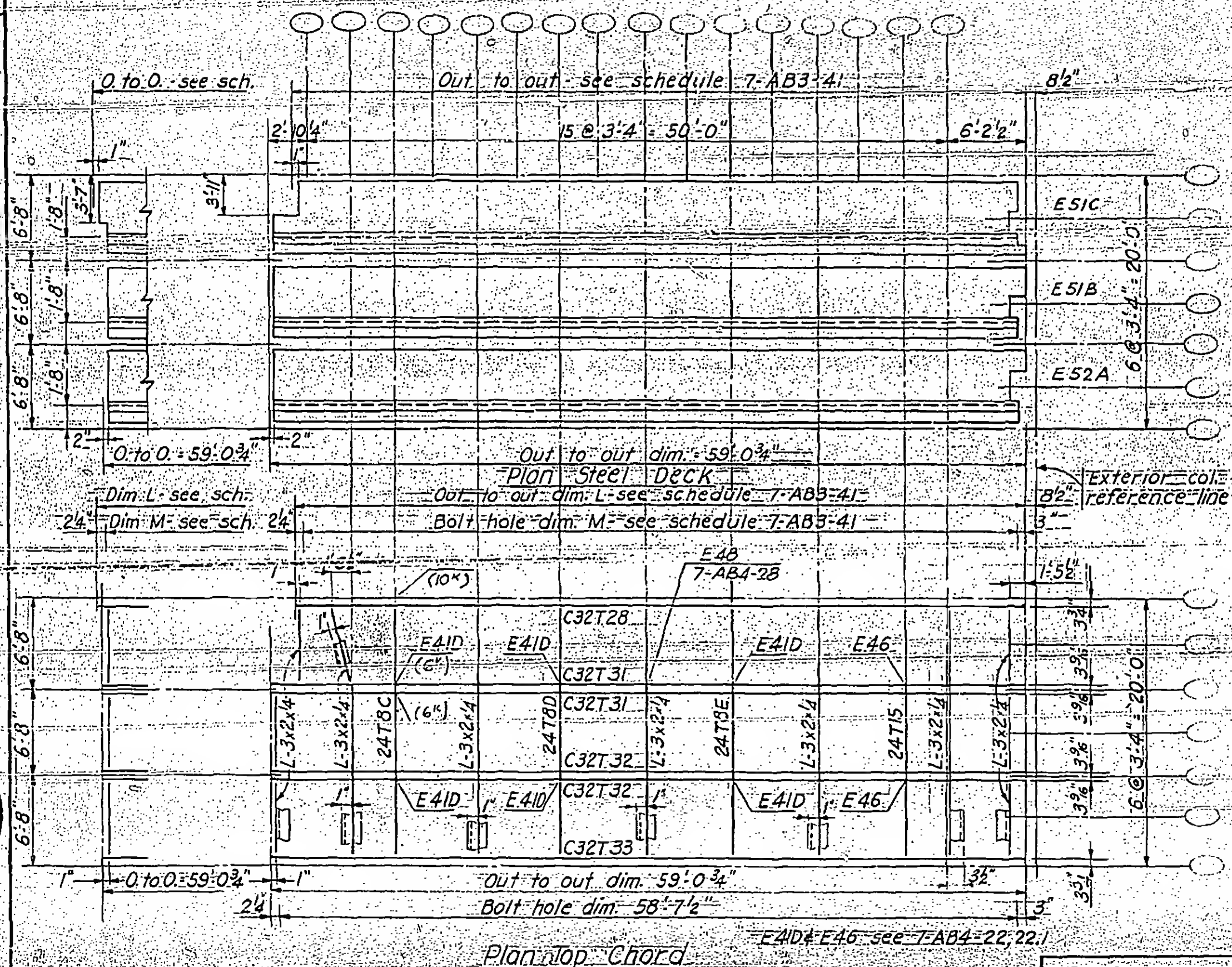


## REVISIONS





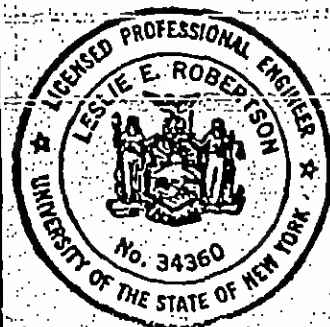
## REVISIONS



## Plan Top Chord

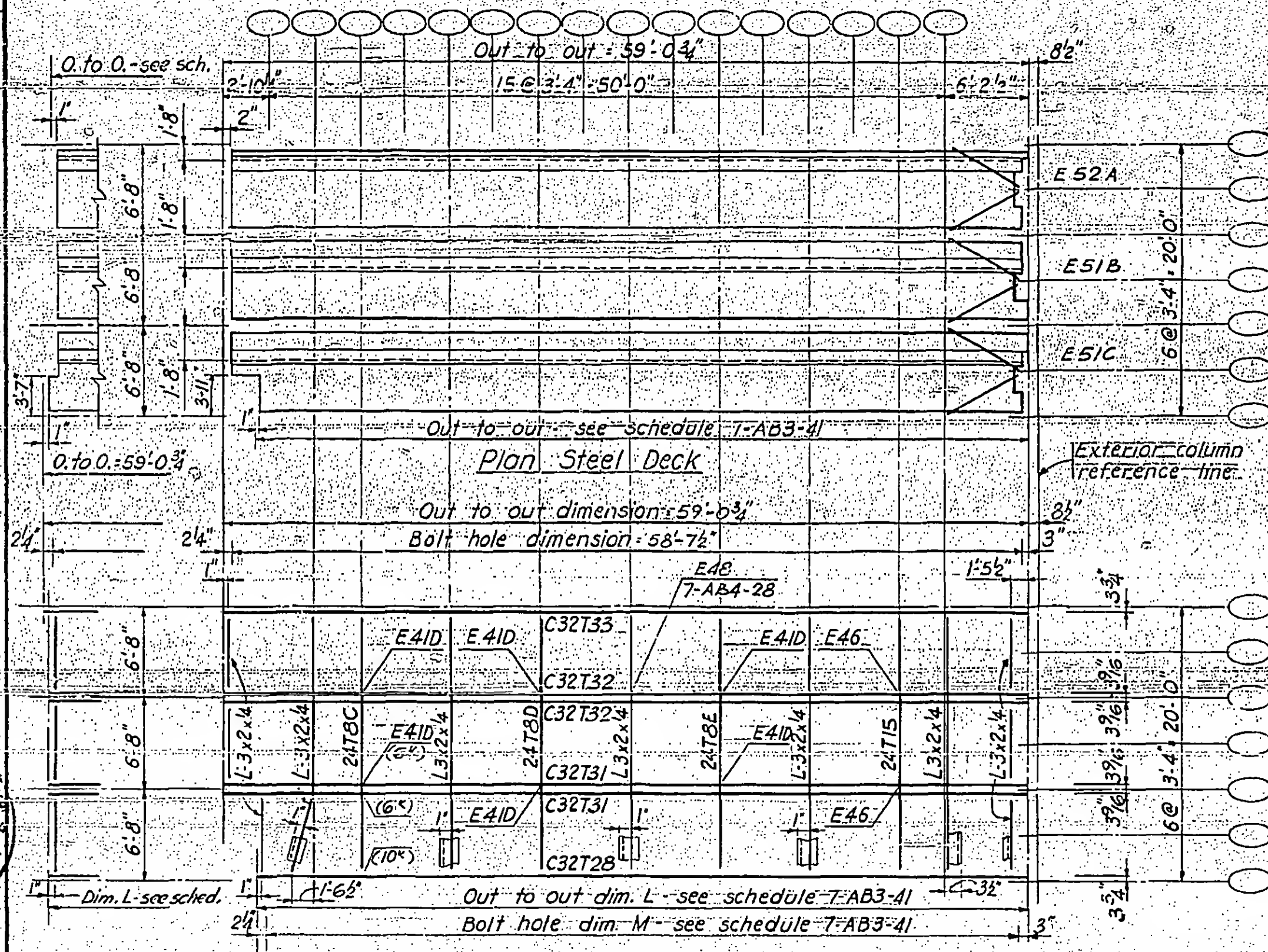
~~E4D & E46 see T-AB4-22, 22.1~~

7-AB3-49





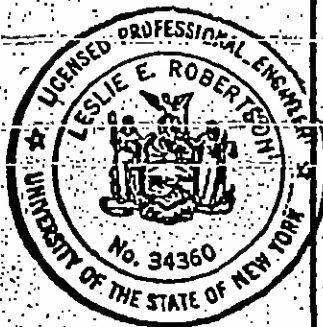
## REVISIONS



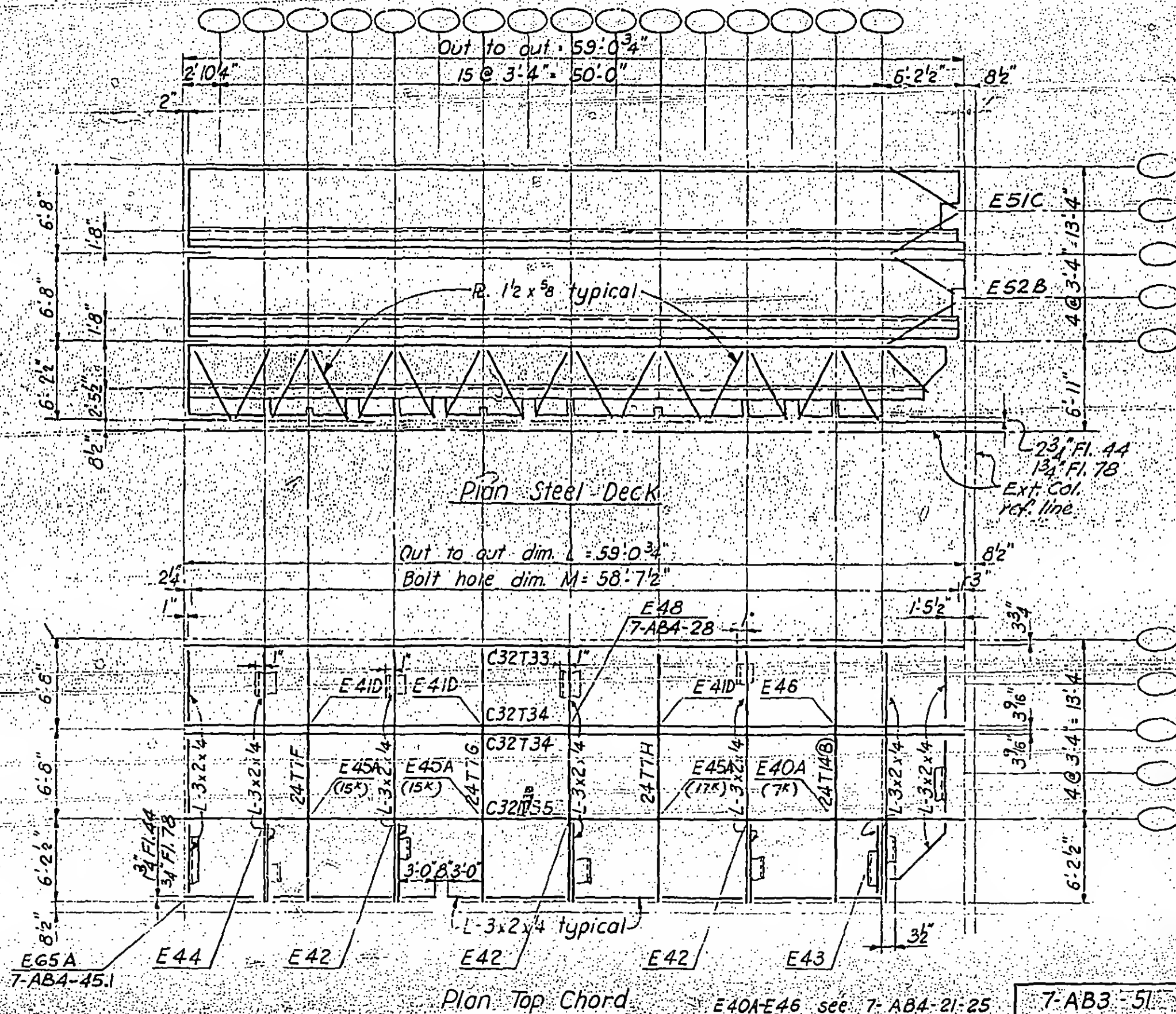
Plan Top Chord

E41 & E46 sec 7-AB4-22,22.1

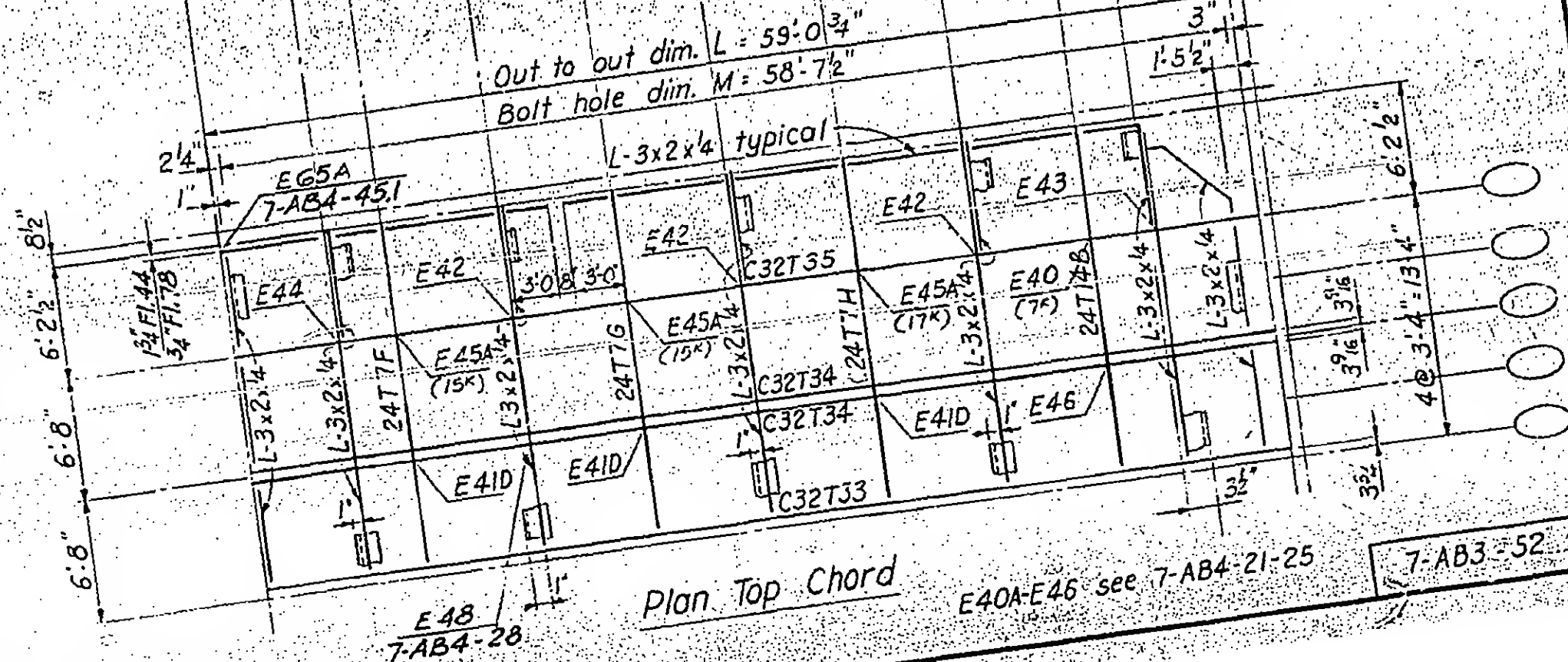
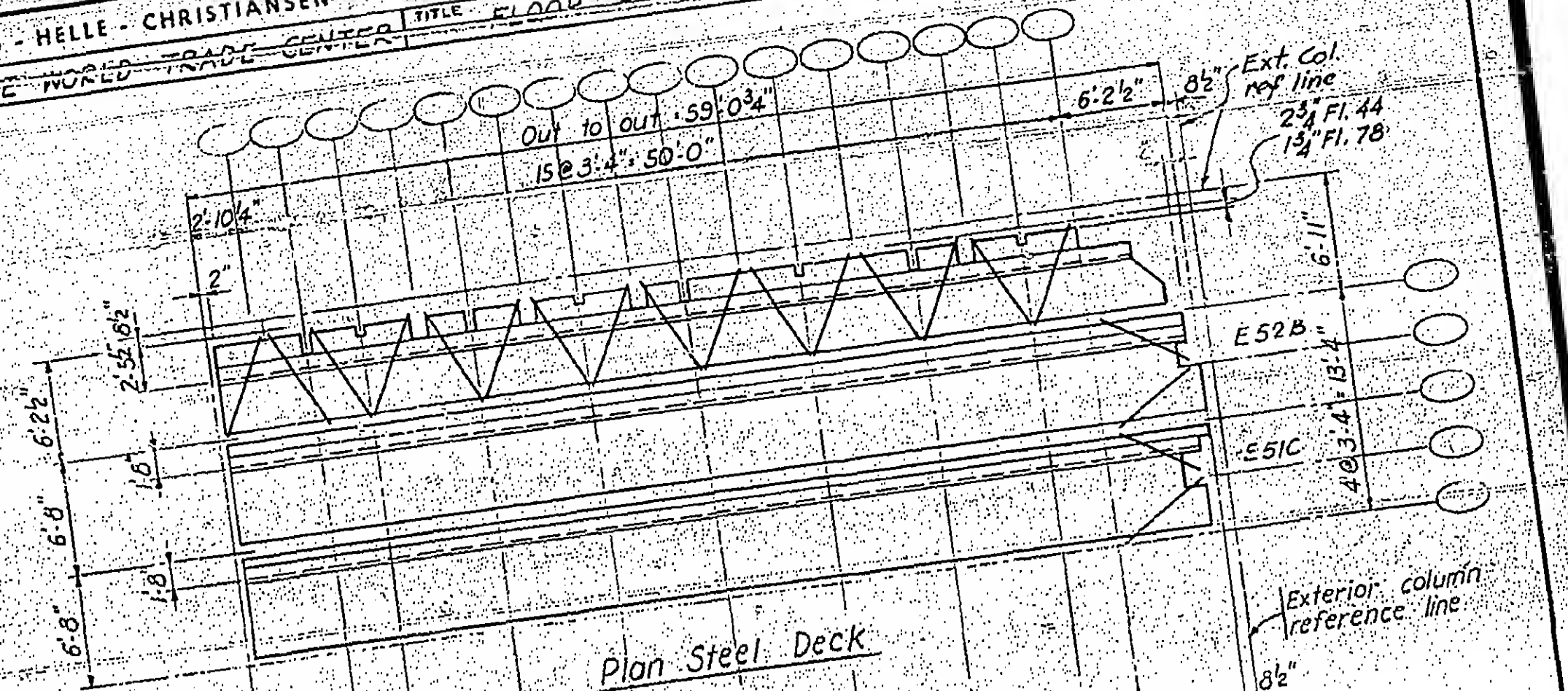
7-AB3-50



## REVISIONS



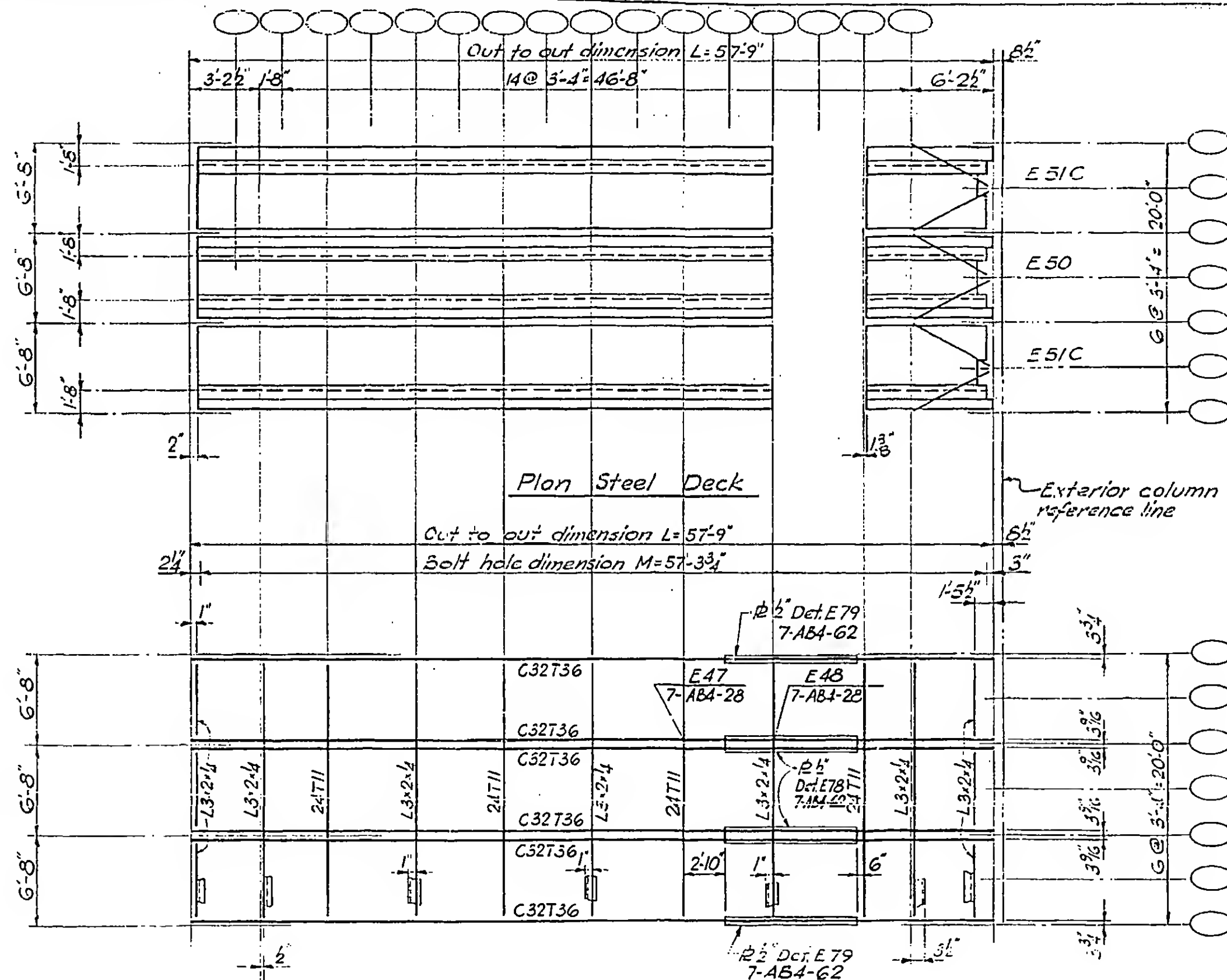
## REVISIONS



TITLE	FLOOR PANEL A8
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DATE 1-6-69

## REVISIONS



### Plan Top Chord

7-AB3-53



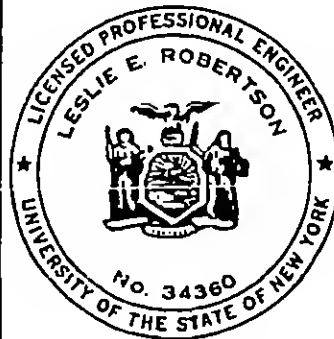
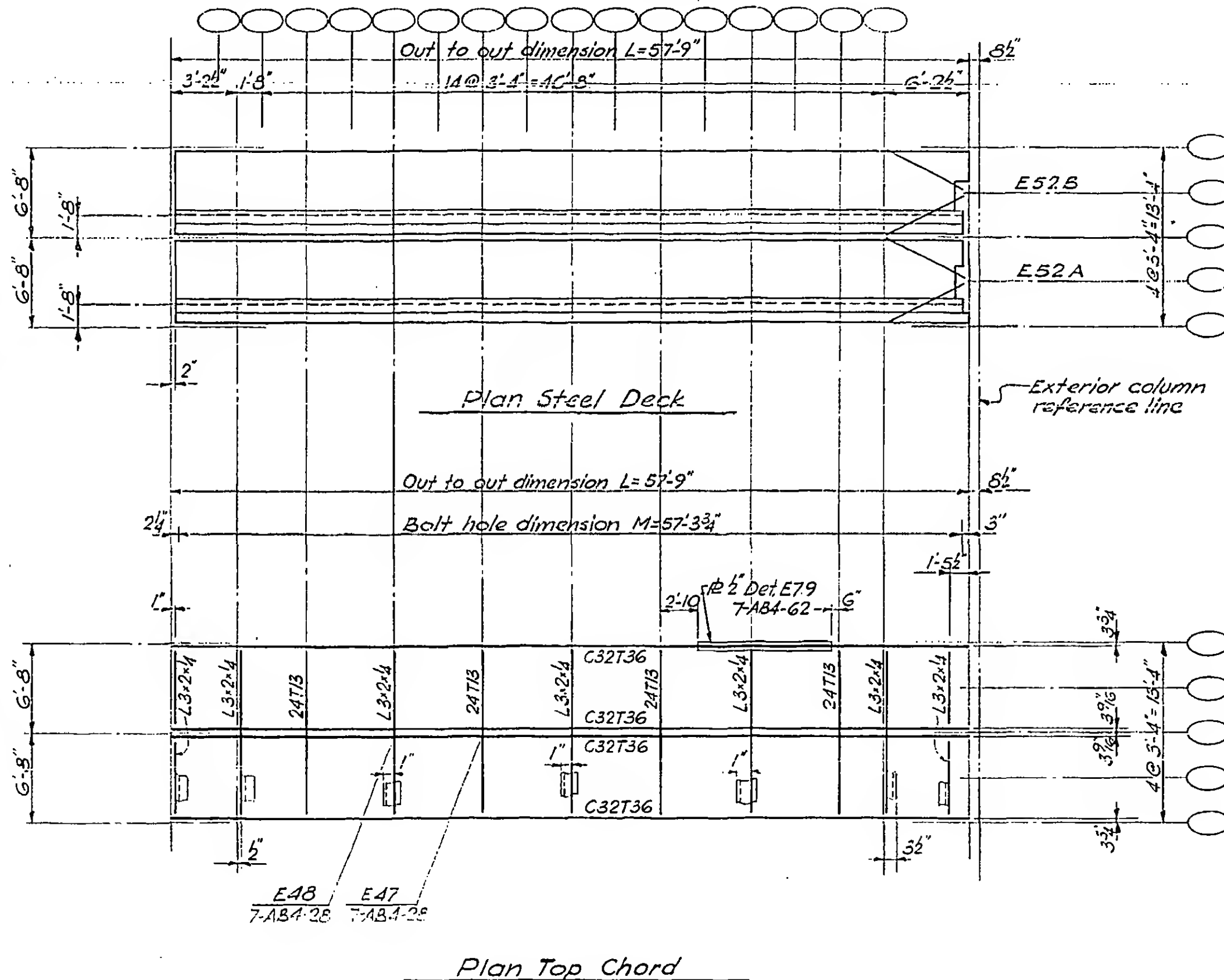
**DESIGNED**

**DRAWN**

REVIEWED



## REVISIONS



DESIGNED

DRAWN

REVIEWED

7-AB3-54



SKILLING, HELLE. CHRISTIANSEN, ROBERTSON

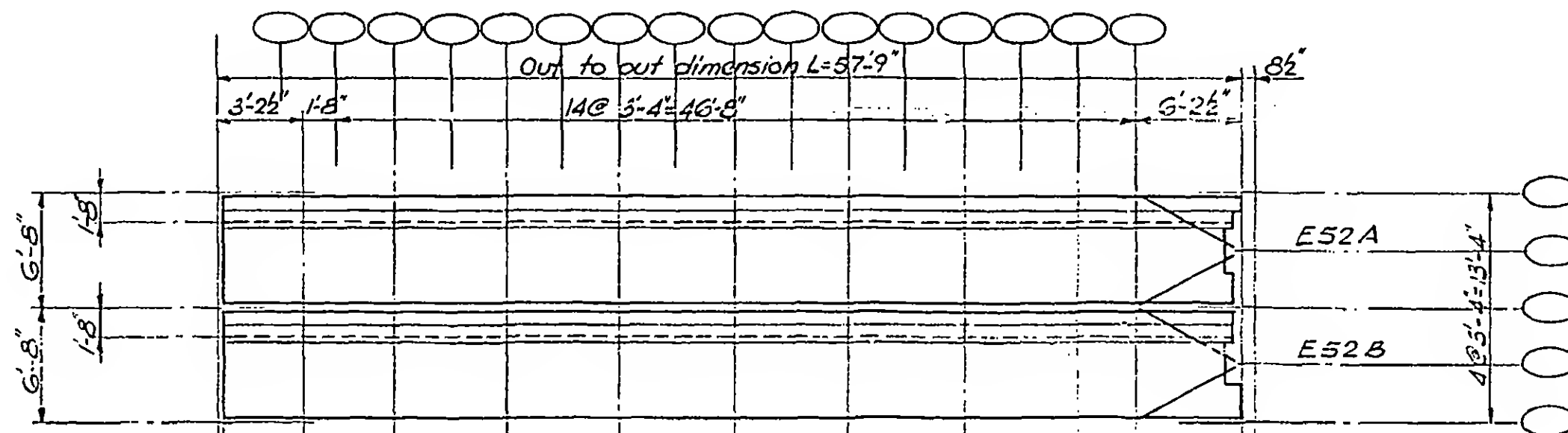
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

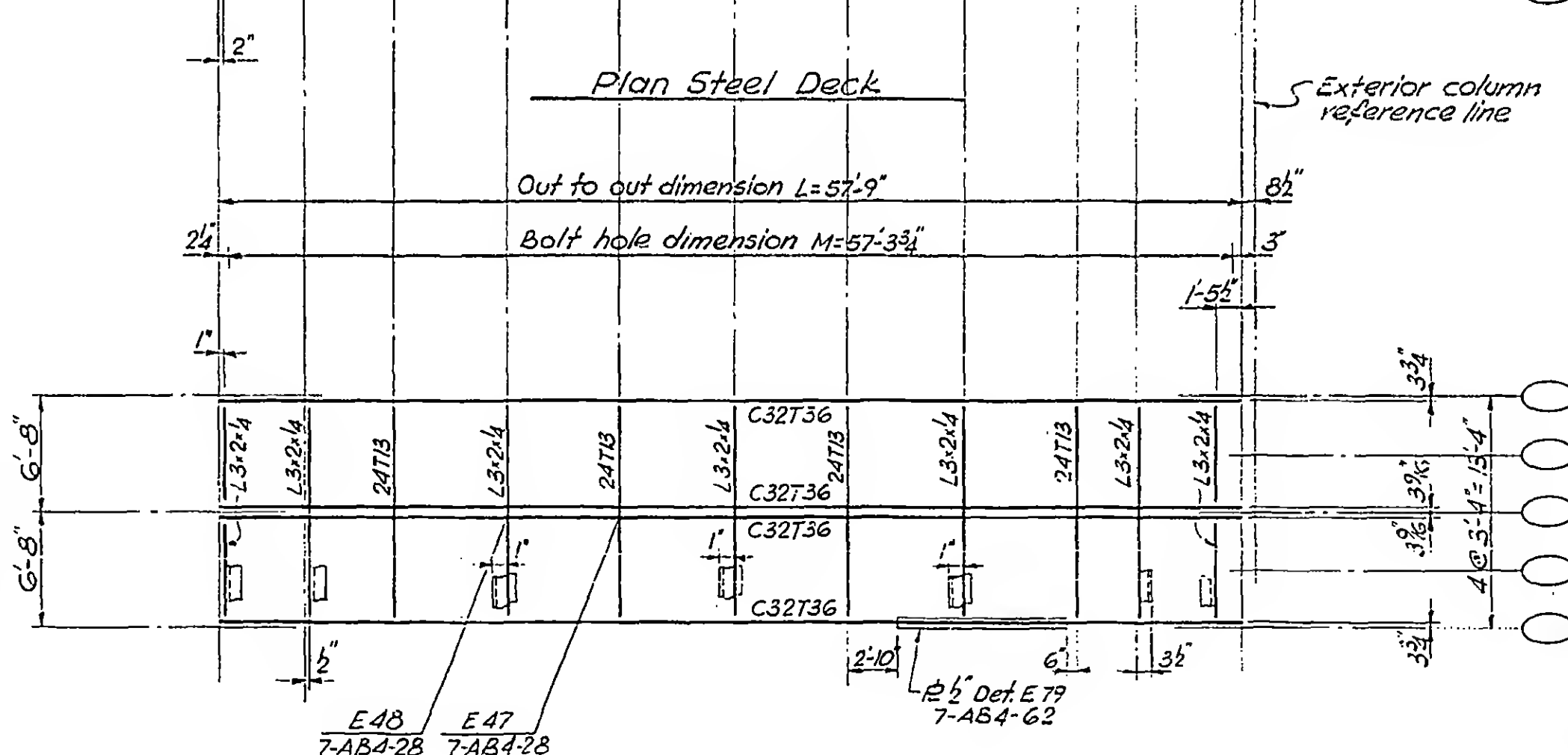
TITLE FLOOR PANEL BR8

DATE 1-6-69

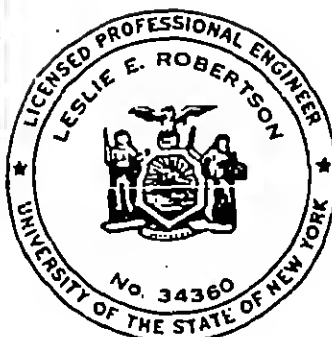
REVISIONS



Plan Steel Deck

Exterior column  
reference line

Plan Top Chord



DESIGNED

DRAWN

REVIEWED

7-AB3-55

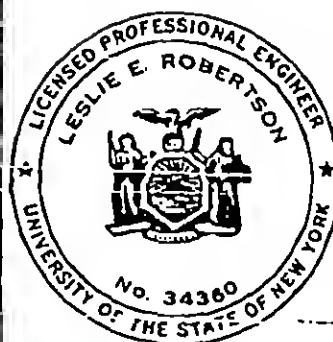
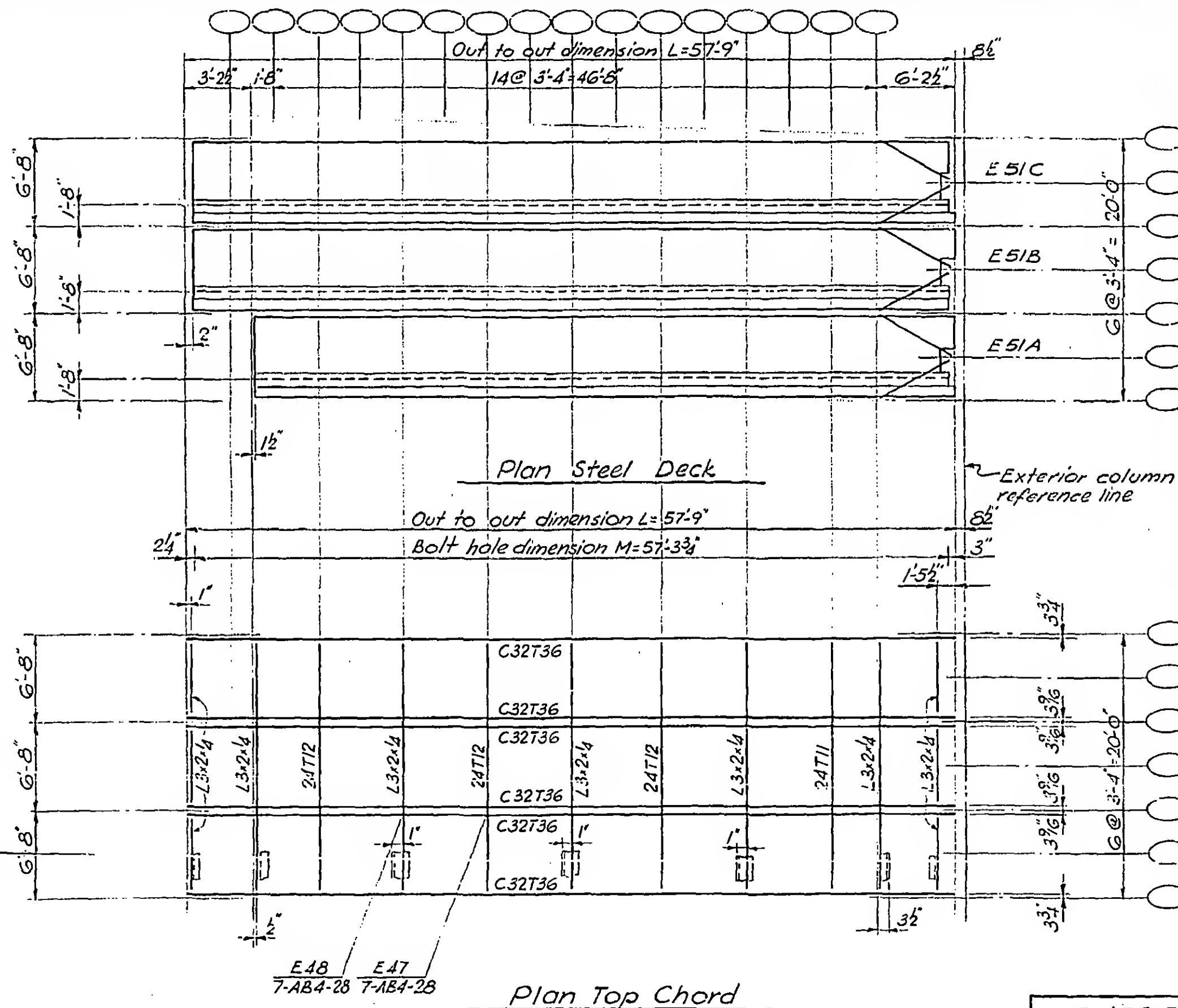
## Structural & Civil Engineers

PROJECT *THE WORLD TRADE CENTER*

TITLE FLOOR PANEL C8.

DATE	1-6-69
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## REVISIONS



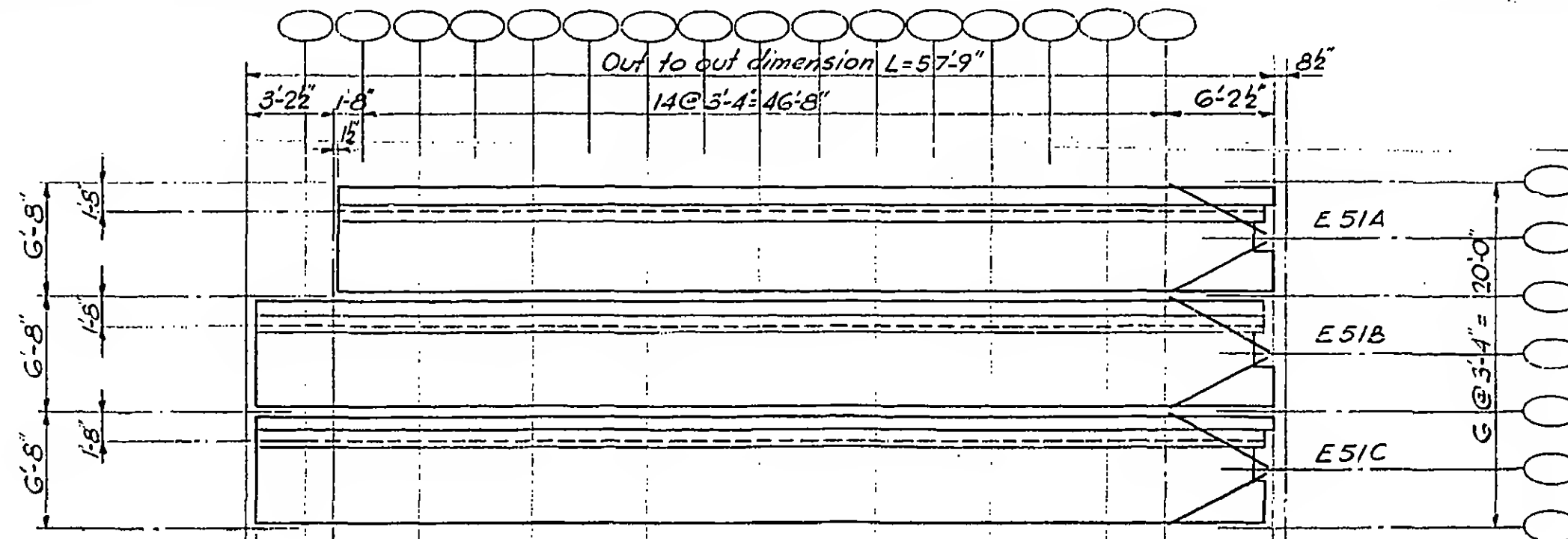
**DESIGNER**

**DRAWN**

REVIEWED

7-AB3-56

## REVISIONS

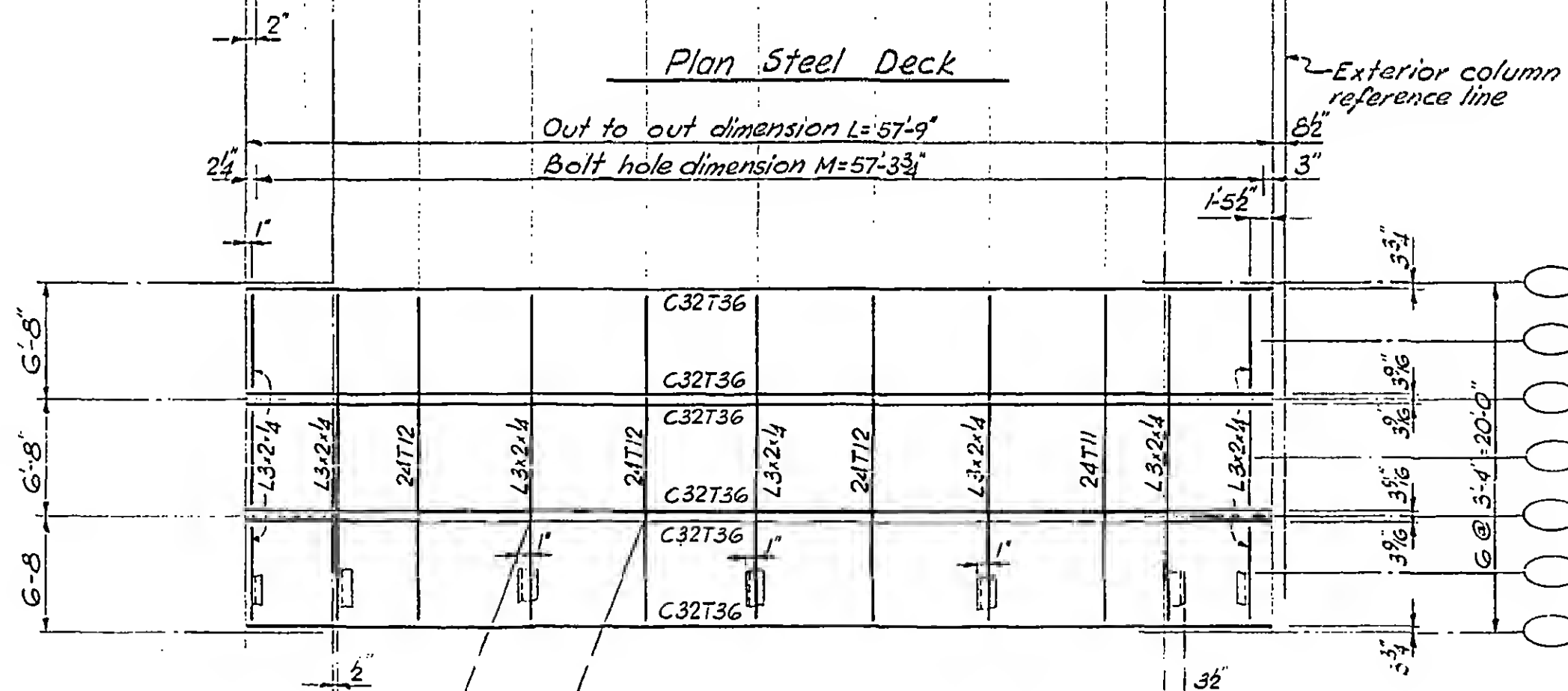


### Plan Steel Deck

Out to out dimension L = 57'-9"

Bolt hole dimension  $M=57'-3\frac{3}{4}"$

Exterior column  
reference line



### Plan Top Chord

7-AB3-57



DESIGNED

**DRAWN**

REVIEWED

SKILLING, HELLE. CHRISTIANSEN, ROBERTSON

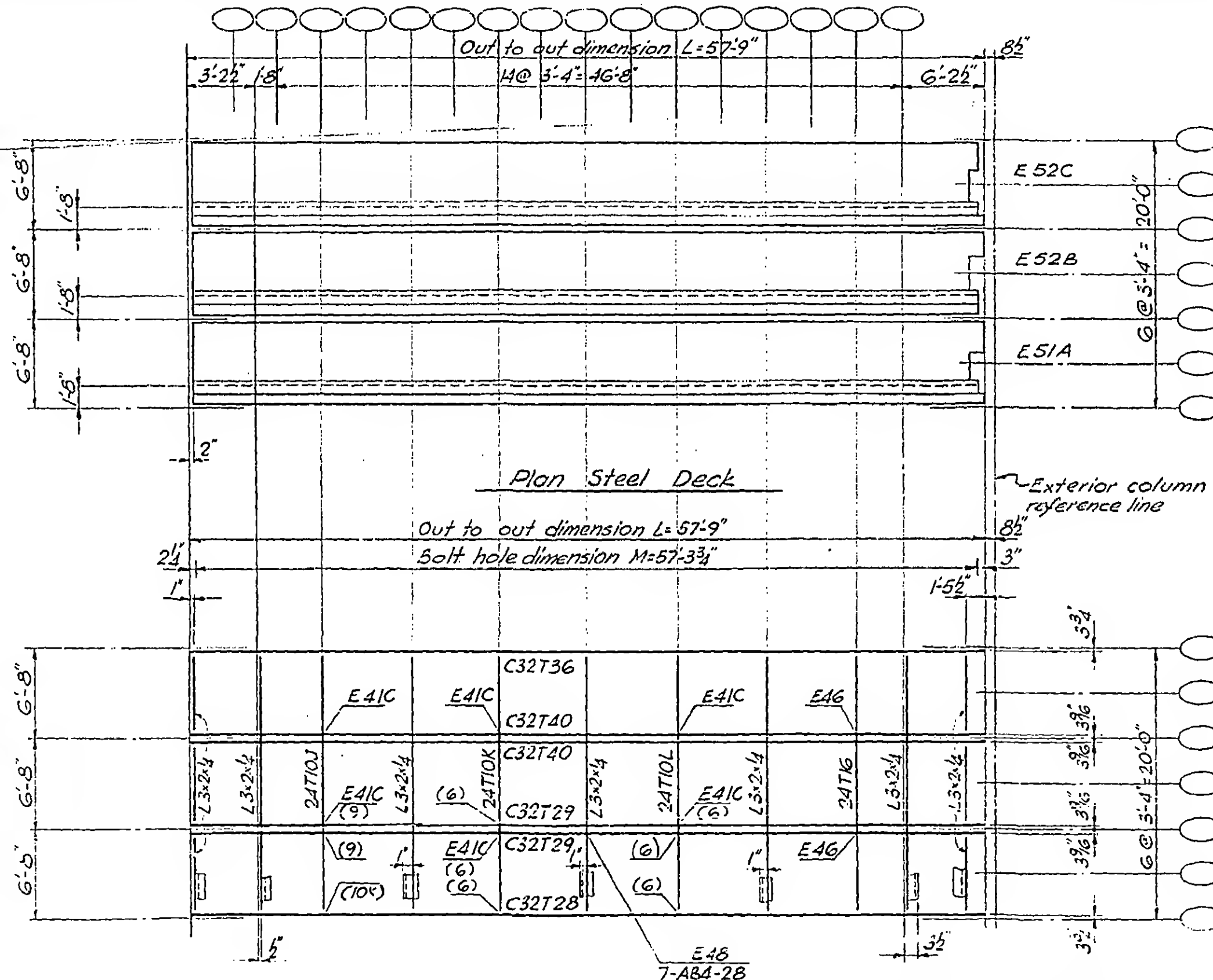
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL D8

DATE 1-6-69

REVISIONS



DESIGNED

DRAWN

REVIEWED

42



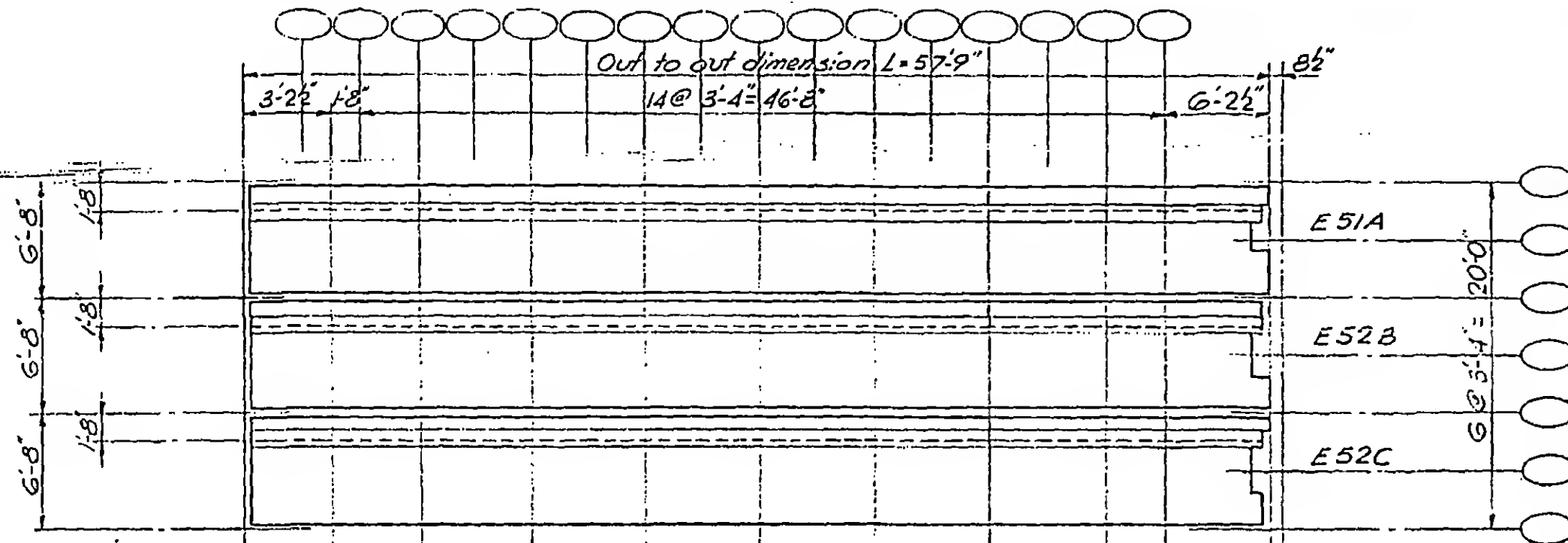
## Structural & Civil Engineers

PROJECT *THE WORLD TRADE CENTER*

TITLE FLOOR PANEL DR8

DATE 1-6-69

## REVISIONS

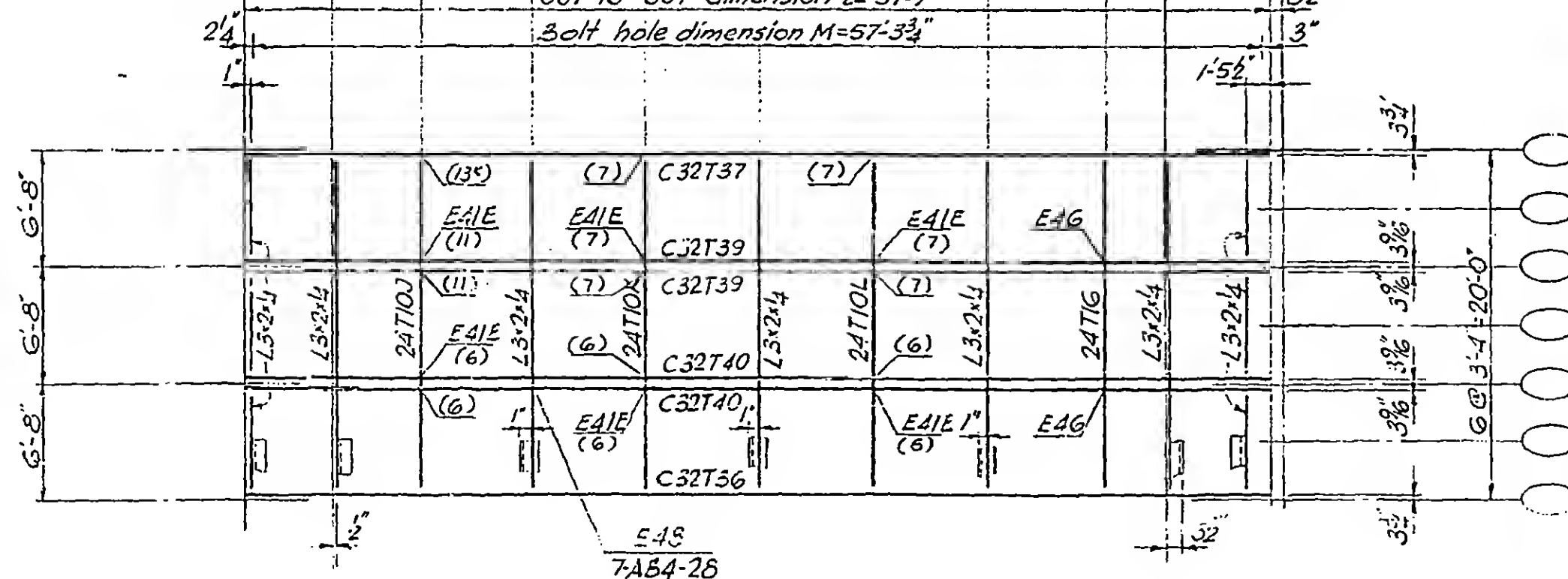


Plan Steel Deck

2- Exterior column  
reference line

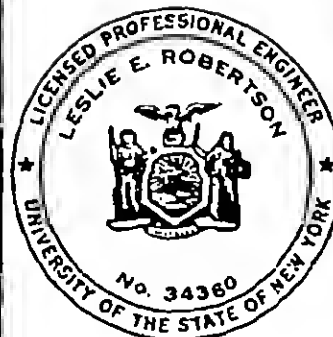
Out to out dimension  $l = 57.9"$

Bolt hole dimension  $M=57.3\frac{3}{4}"$



E41E, E46 see dwg. 7-AB4-22, 22.1

### Plan Top Chord



**DESIGNED**

**DRAWN**

REVIEWED

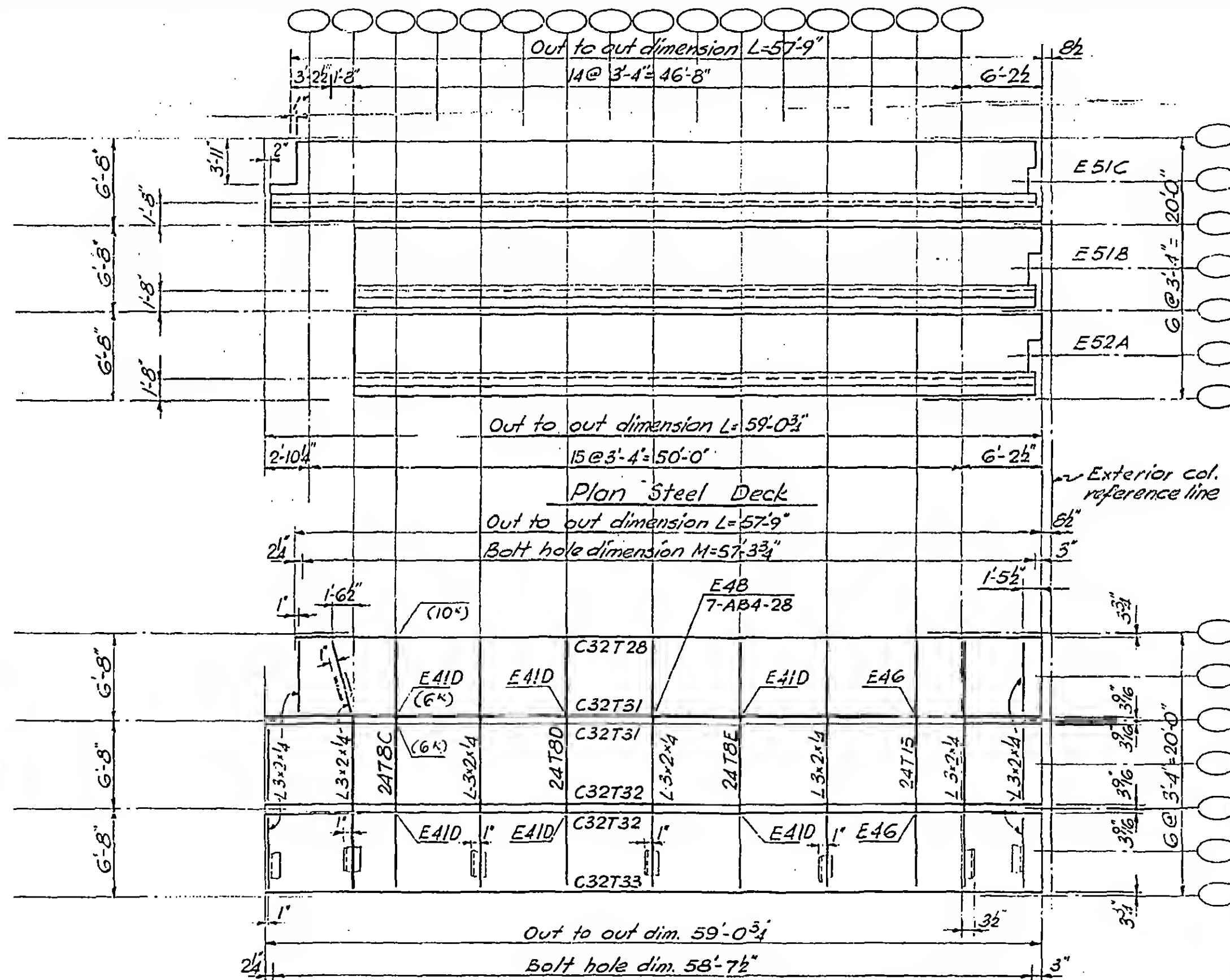
## Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL E8

DATE	1-5-69
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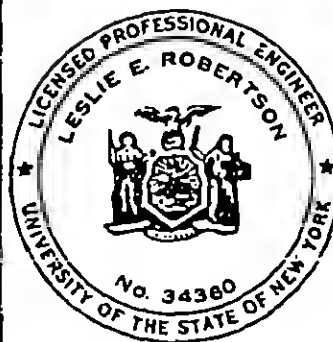
## REVISIONS



### Plan Top Chord

E41D & E46 see  
— 7-AB4-22, 22.1

7-AB3-60



25416460

**DRAWN**

REVIEWED

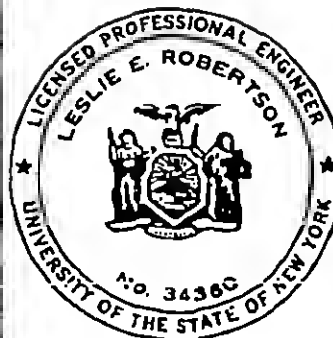
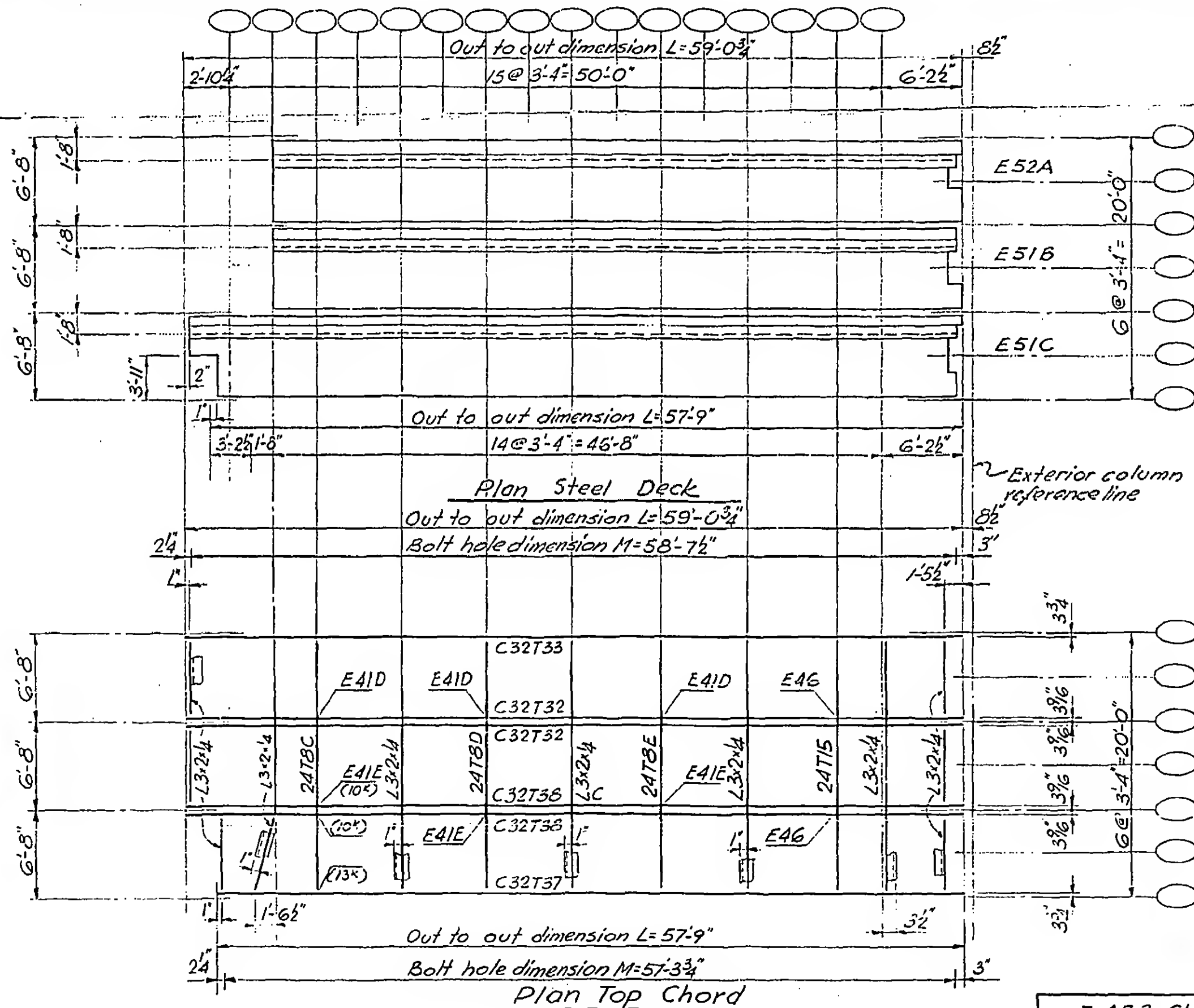
## Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL ER8

DATE	1-6-69
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## REVISIONS



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**DRAWN**

REVIEWED

✓5-

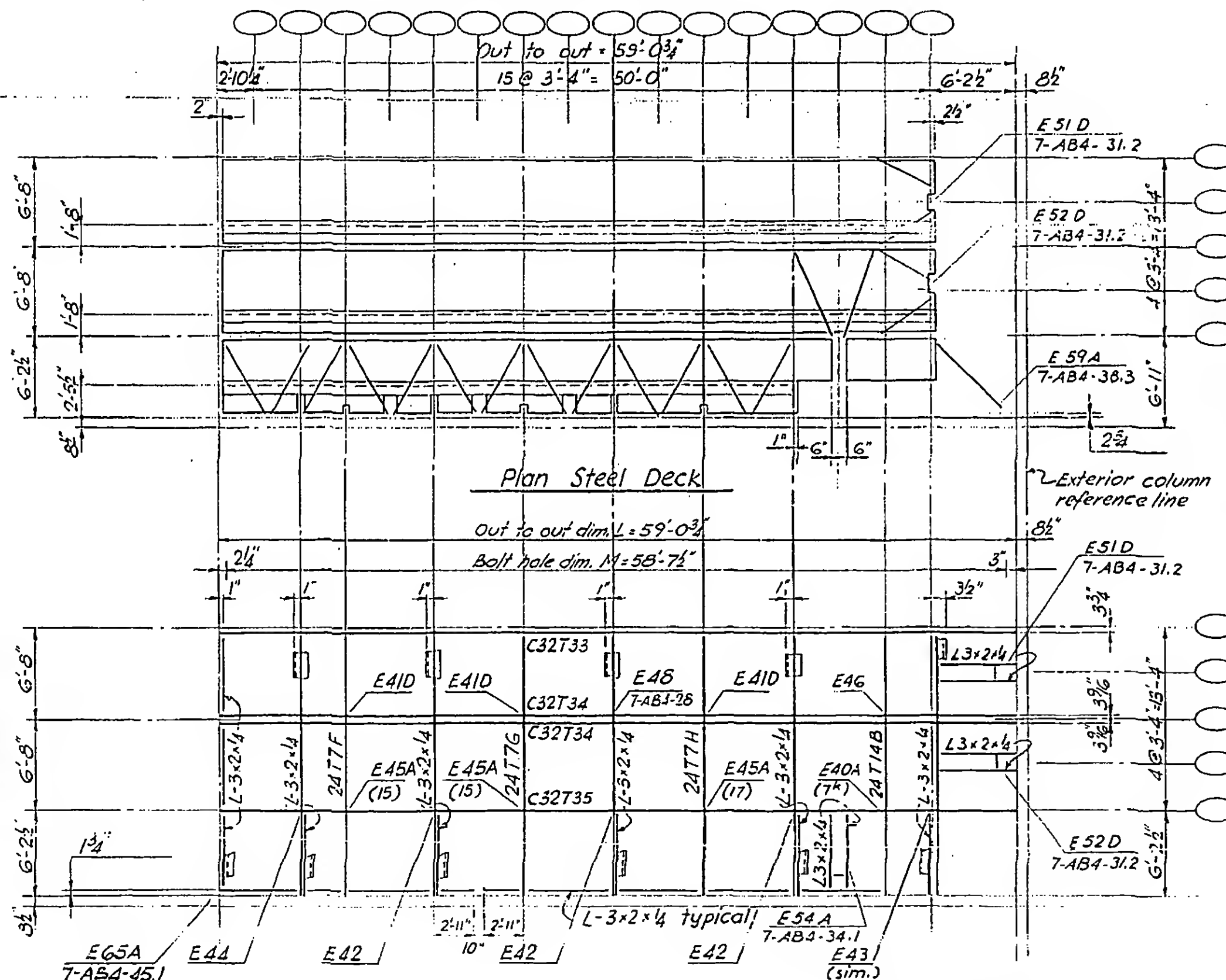
7-AB3-61

## Structural & Civil Engineers

TITLE FLOOR PANEL F8

DATE 1-20-69

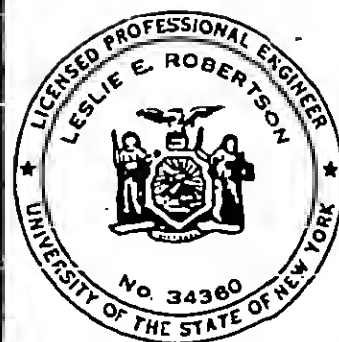
## REVISIONS



### Plan Top Chord

E40A - E46 sec 7-AB4-21-25

7-AB3-62



DESIGNED

**BROWN**

REVIEWED



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

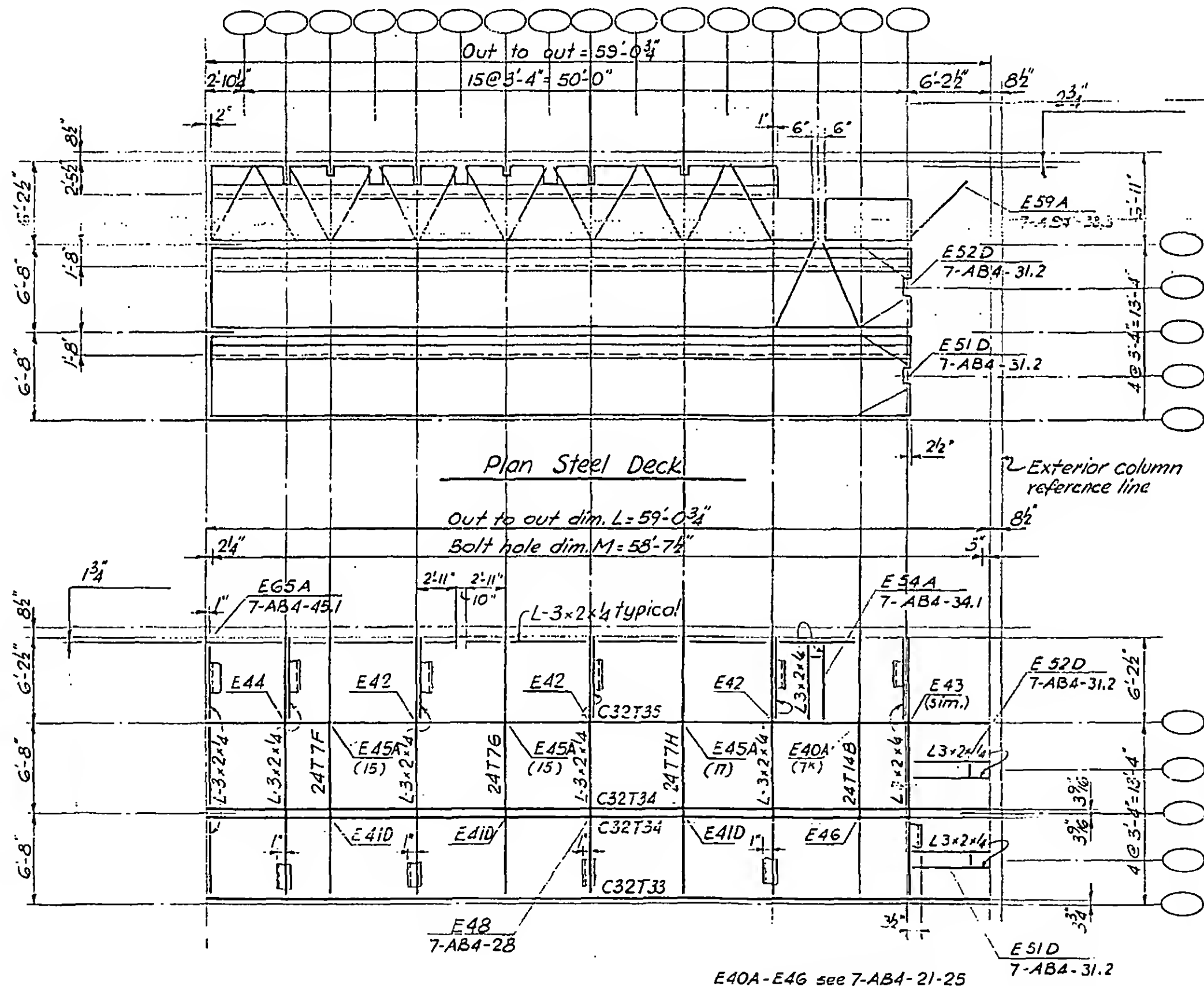
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL FR8

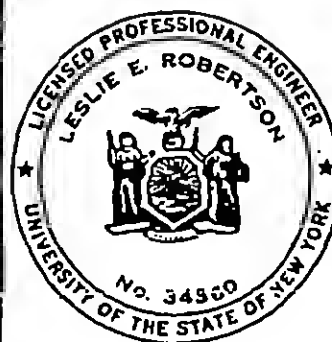
DATE 1-20-69

REVISIONS



Plan Top Chord

7-AB3-63



DESIGNED

DRAWN

REVIEWED

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DIMENSION SCHEDULE 5

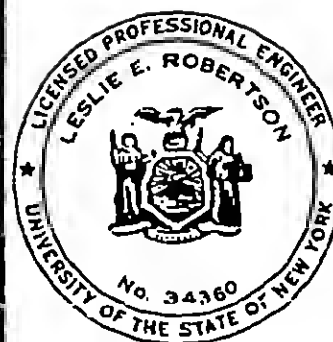
DATE 11-25-68

REVISIONS

PANEL NO.

OUT TO OUT  
PANEL DIM. LBOLT HOLE  
DIMENSION MDIMENSION  
A

D5A	DR5A	E5A	ER5A	59' - 9"	59' - 33 1/4"	5' - 2 1/2"
D5B	DR5B	E5B	ER5B	59' - 8 1/2"	59' - 31 1/4"	5' - 2"
D5C	DR5C	E5C	ER5C	59' - 8"	59' - 23 1/4"	5' - 1 1/2"
D5D	DR5D	E5D	ER5D	59' - 5"	58' - 11 3/4"	4' - 10 1/2"
D5E	DR5E	E5E	ER5E	59' - 3"	58' - 9 3/4"	4' - 8 1/2"
D5F	DR5F	E5F	ER5F	59' - 2"	58' - 8 3/4"	4' - 7 1/2"
D5G	DR5G	E5G	ER5G	58' - 11"	58' - 5 3/4"	4' - 4 1/2"
D5H	DR5H	E5H	ER5H	58' - 8"	58' - 23 1/4"	4' - 1 1/2"
D5J	DR5J	E5J	ER5J	58' - 7"	58' - 13 1/4"	4' - 0 1/2"
D5K	DR5K	E5K	ER5K	58' - 6"	58' - 03 1/4"	3' - 11 1/2"
D5M	DR5M	E5M	ER5M	58' - 3"	57' - 9 3/4"	3' - 8 1/2"
D5N	DR5N	E5N	ER5N	57' - 9"	57' - 35 1/4"	3' - 2 1/2"
D5P	DR5P	E5P	ER5P	57' - 7"	57' - 13 1/4"	3' - 0 1/2"



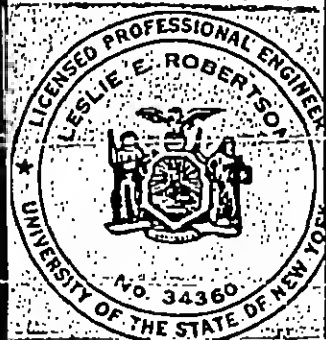
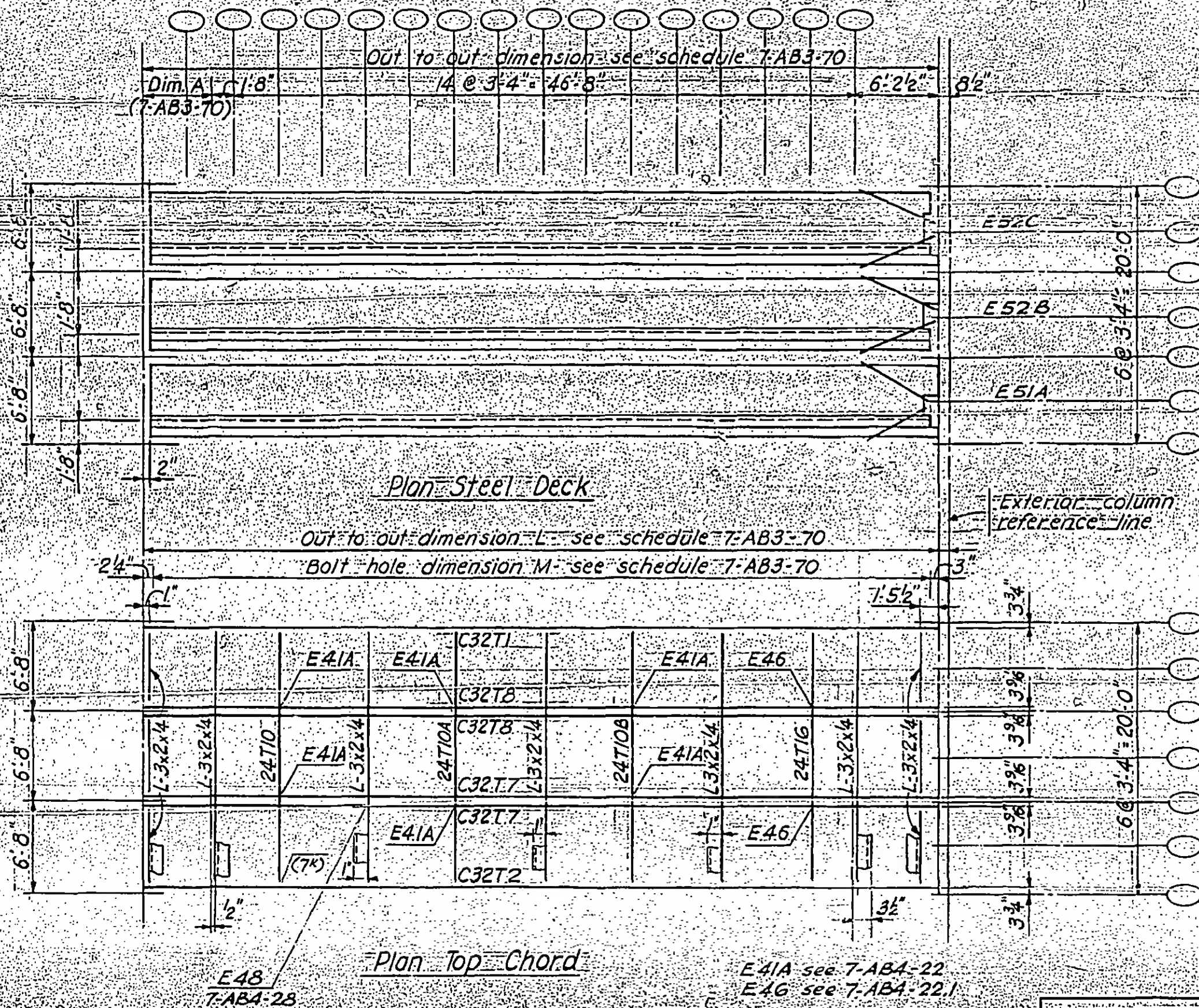
DESIGNED

DRAWN

REVIEWED

7-AB.3-70

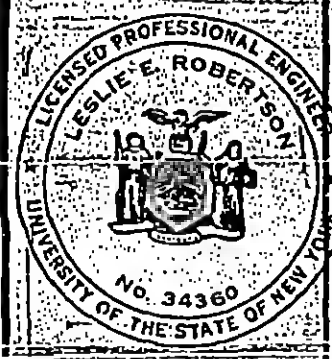
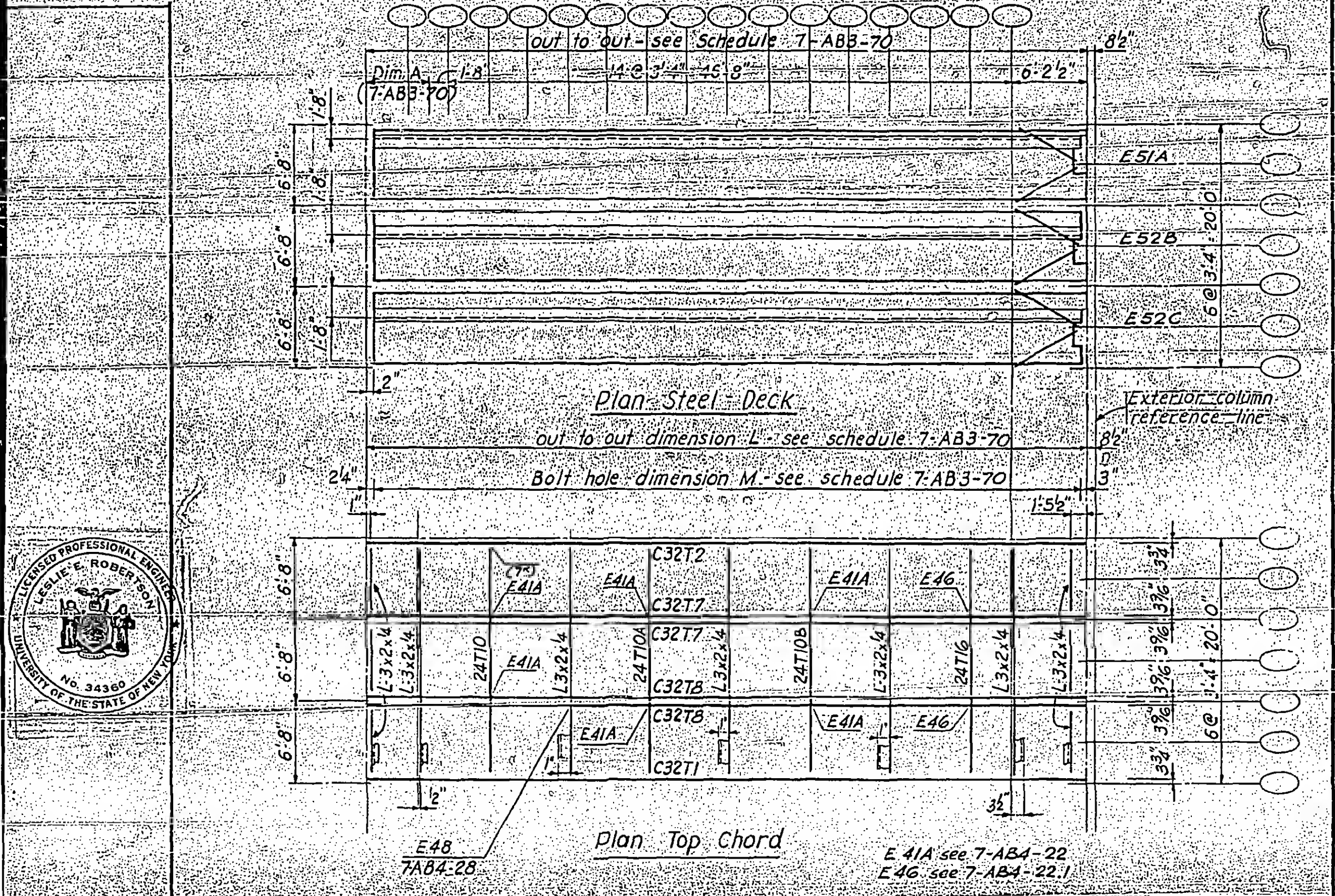
## REVISIONS



7-AB3-7

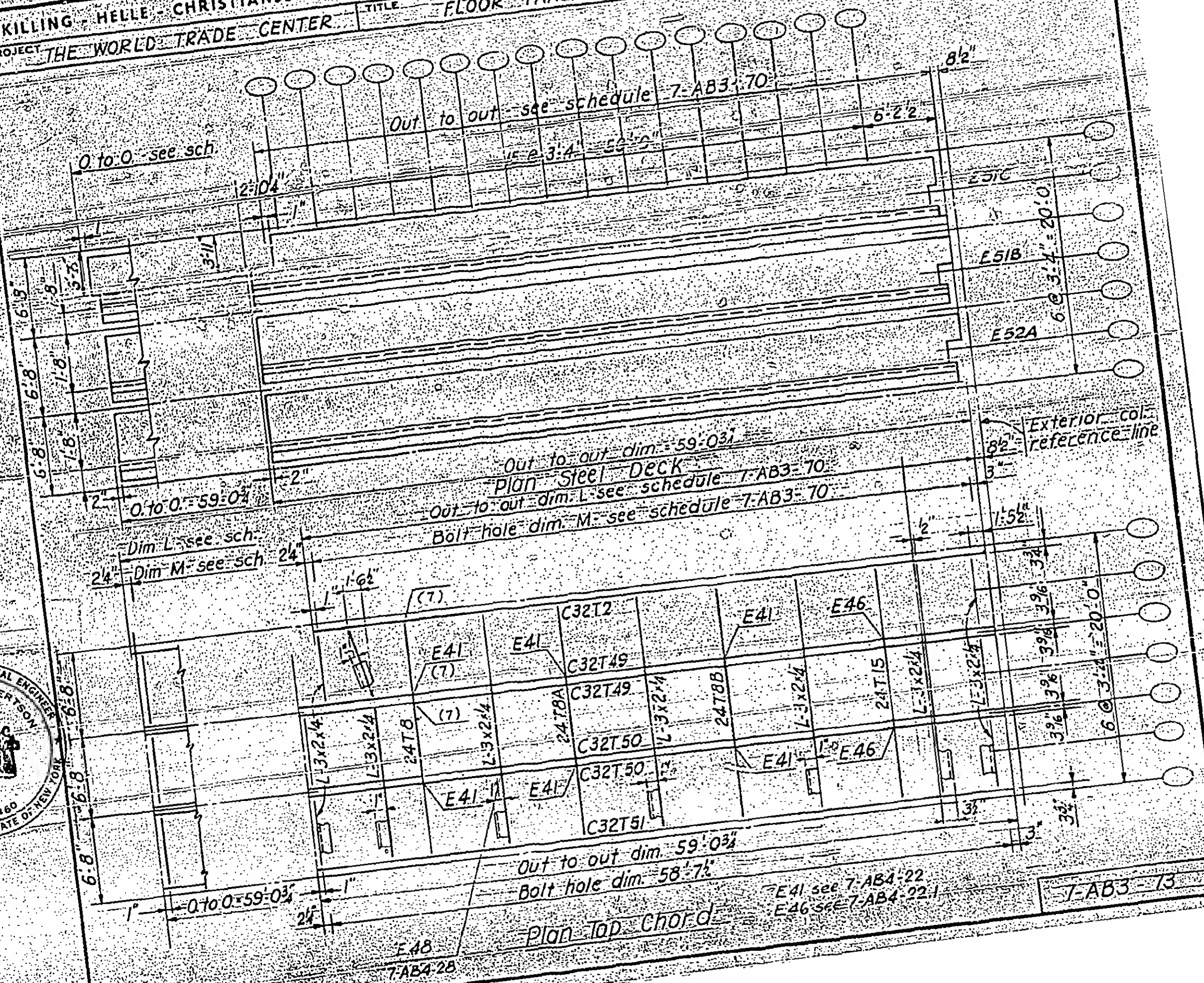


REVISIONS

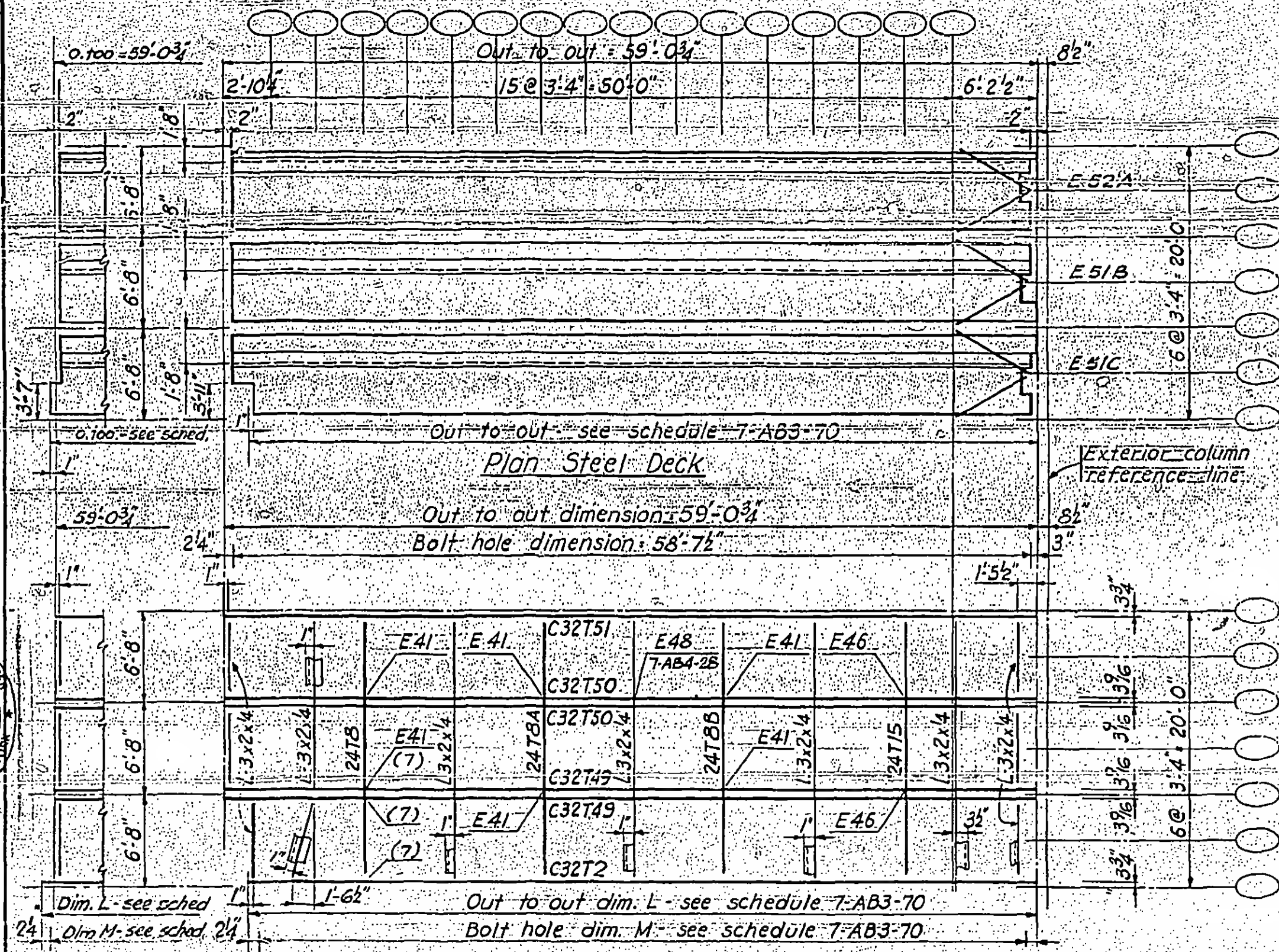




REVISIONS



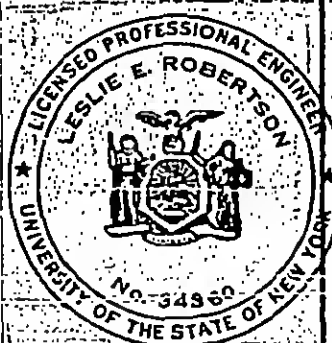
## REVISIONS



## Plan Tập Chord

E41 see 7-AB4-22  
E46 see 7-AB4-22.

7-AB3-74





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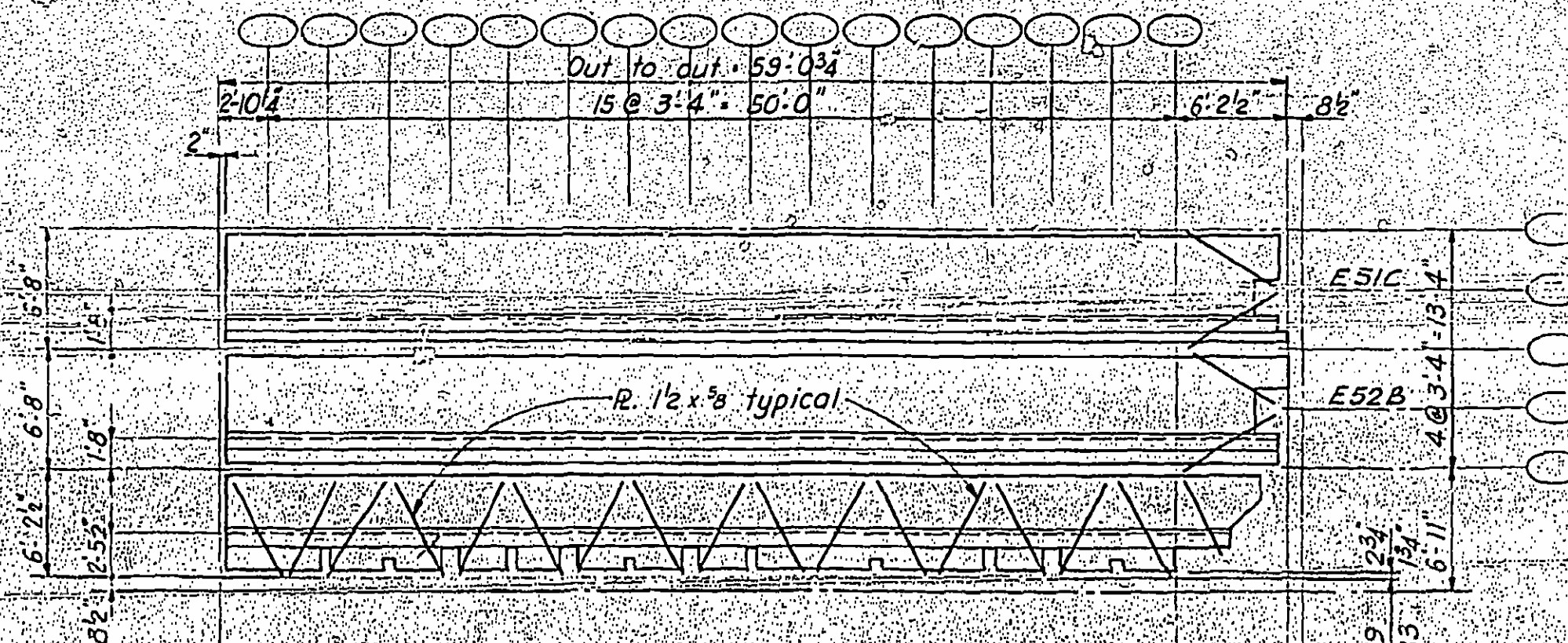
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

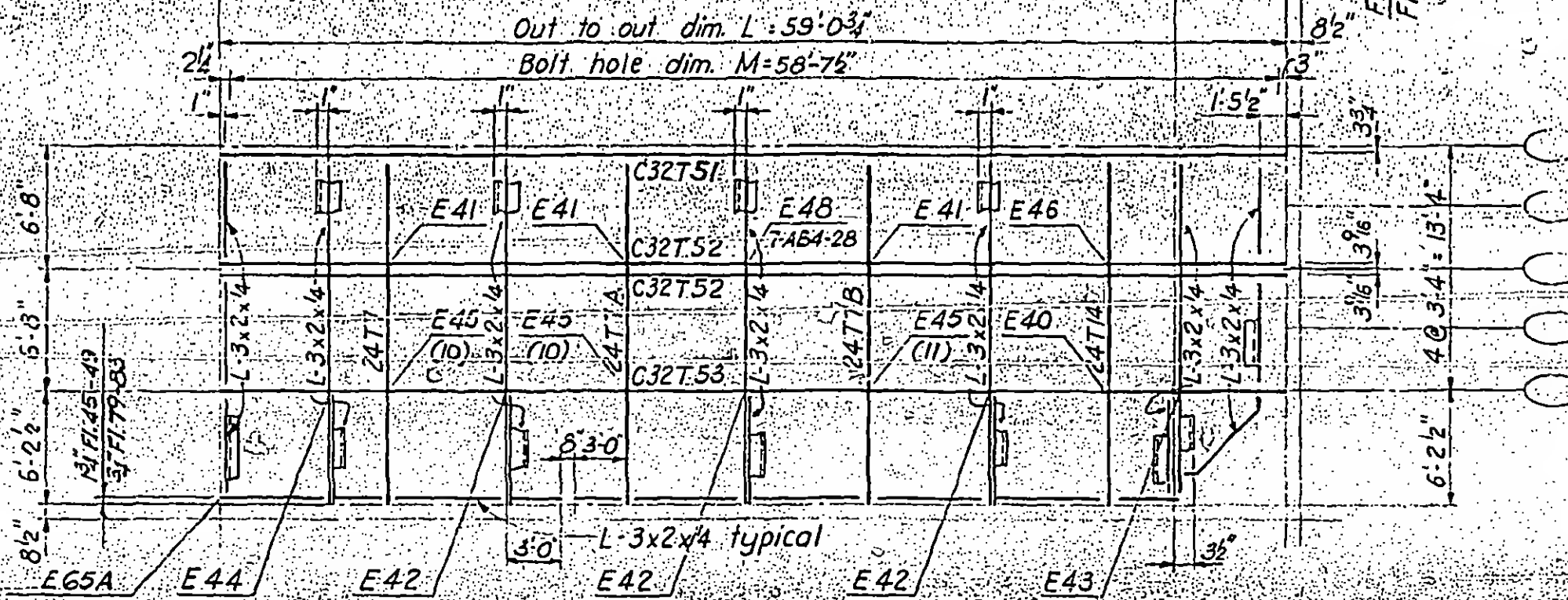
TITLE FLOOR PANEL F5

DATE 11-25-68

REVISIONS



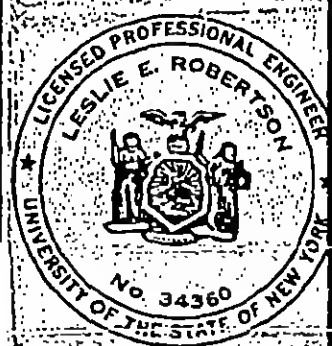
Plan Steel Deck



Plan Top Chord

E40-E46 see 7-AB4-21-25

7-AB3-75

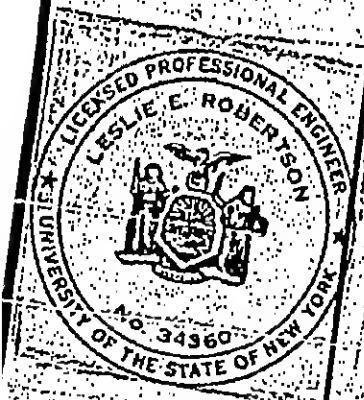




Out. to out dim. L = 59'-0 $\frac{3}{4}$ "  
Bolt hole dim. M = 58'-7 $\frac{1}{2}$ "  
3'-0" 3'-0"



E48  
7-AB4-25  
35°  
E40-E46 see 7-AB4-21-25





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THE WORLD TRADE CENTER

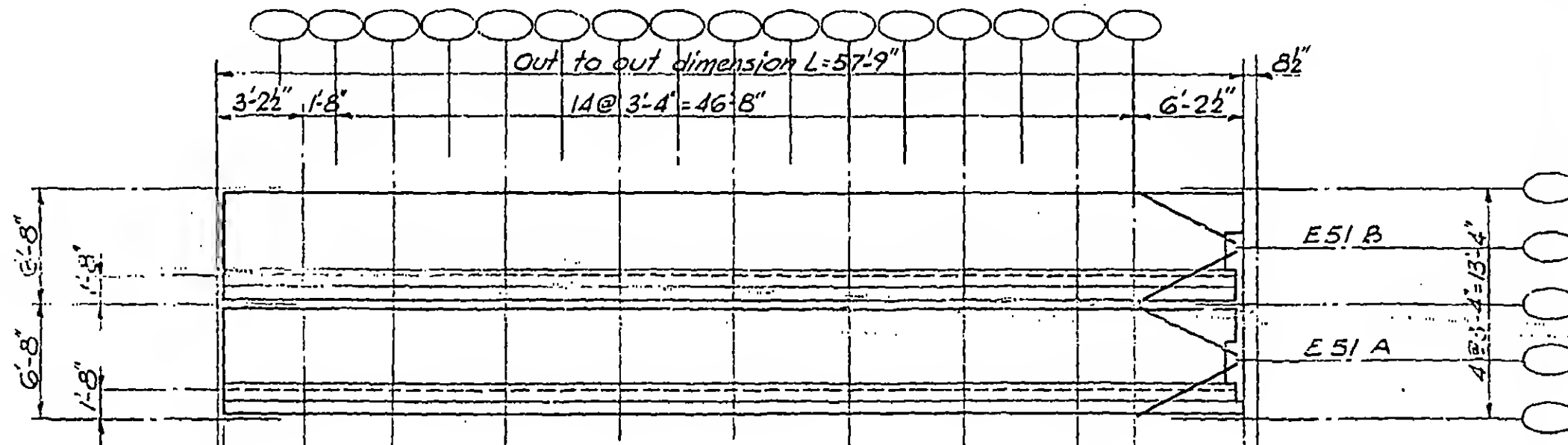
TITLE

FLOOR PANEL C 6

DATE

1-6-69

REVISIONS

Plan Steel DeckExterior column  
reference line

Out to out dimension L=57'-9"

Bolt hole dimension M=57'-3 3/4"

E 25  
7-AB4-15.1E 24  
7-AB4-15  
C32T27

L3x2x4

L3x2x4

24T13B

L3x2x4

24T13B

L3x2x4

C32T27

24T13B

C32T27

L3x2x4

24T13C

L3x2x4

L3x2x4

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

C32T27

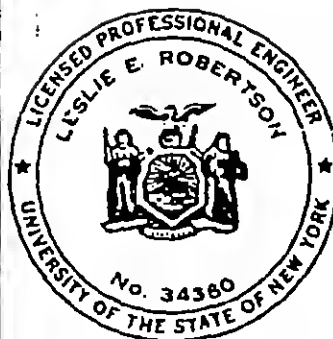
C32T27

C32T27

C32T27

E 48  
7-AB4-28E 47  
7-AB4-28Plan Top Chord

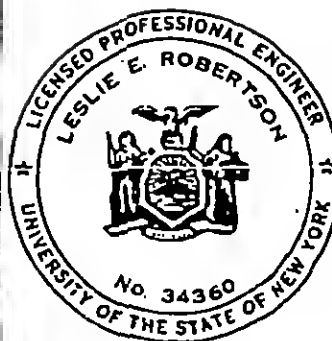
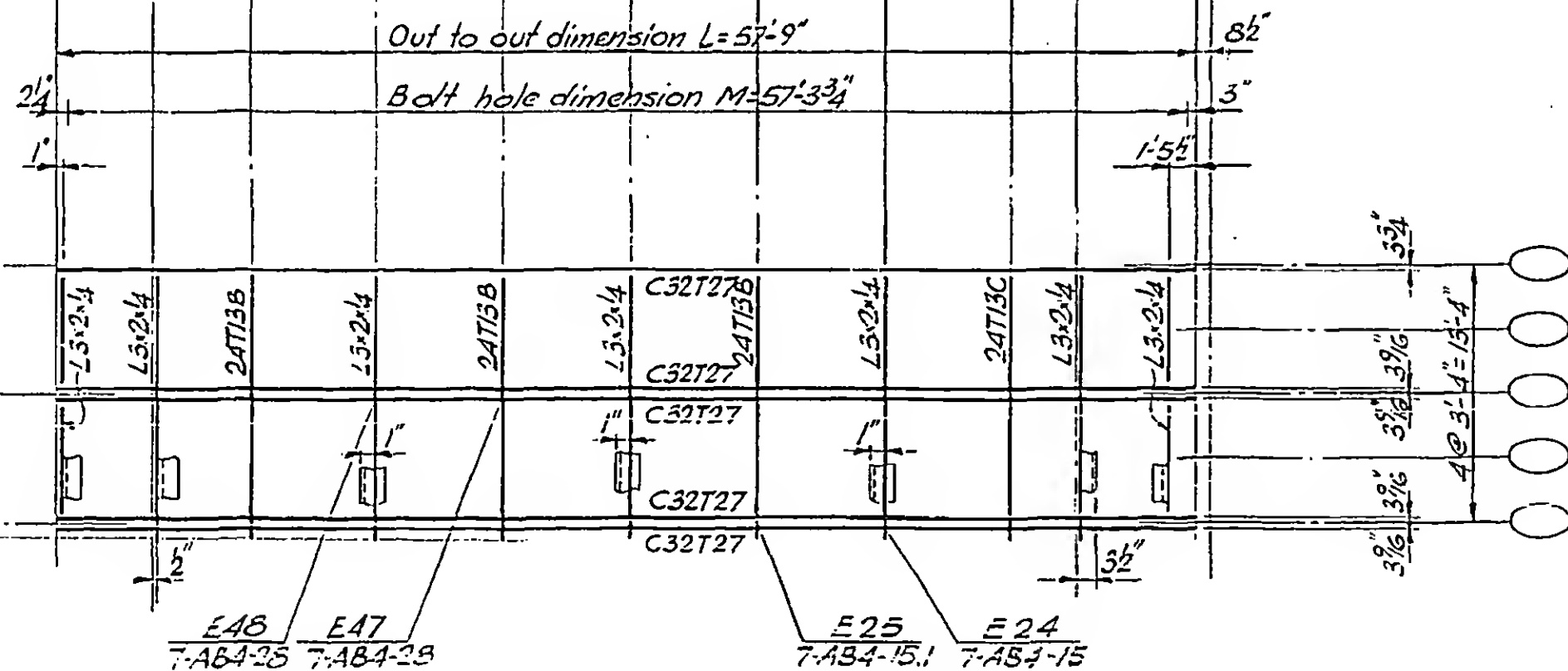
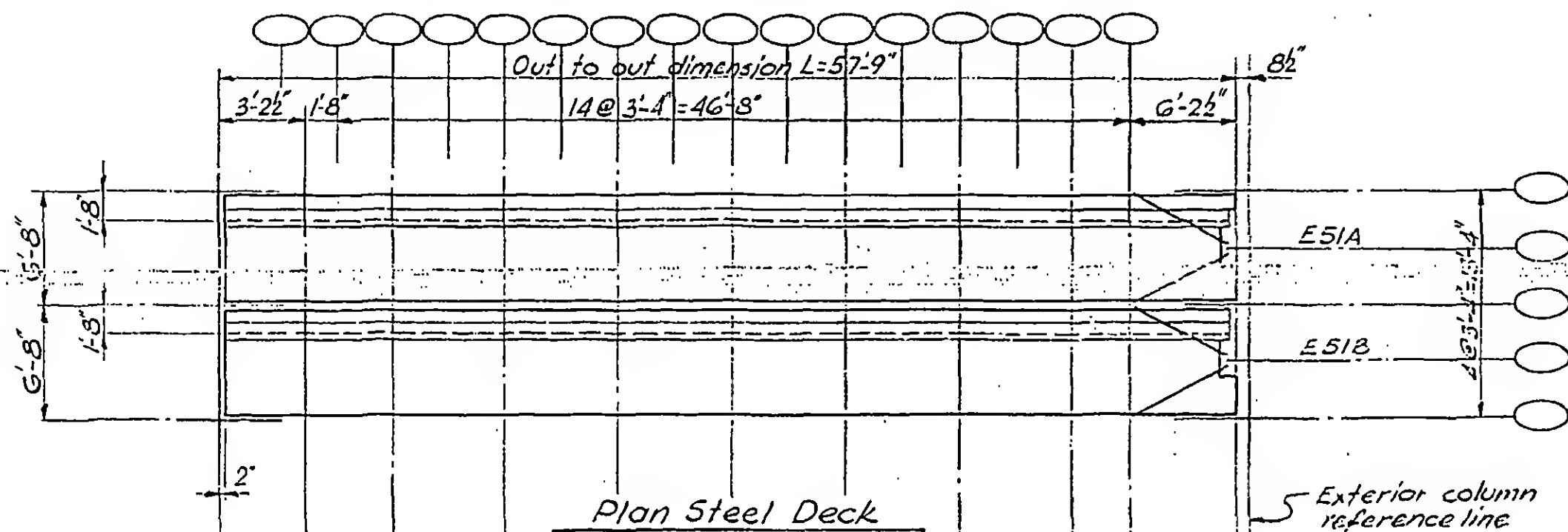
7-AB3-77



DESIGNED

DRAWN

## REVISIONS



**DEPIONED**

**DRAWN**

## REVIEWER

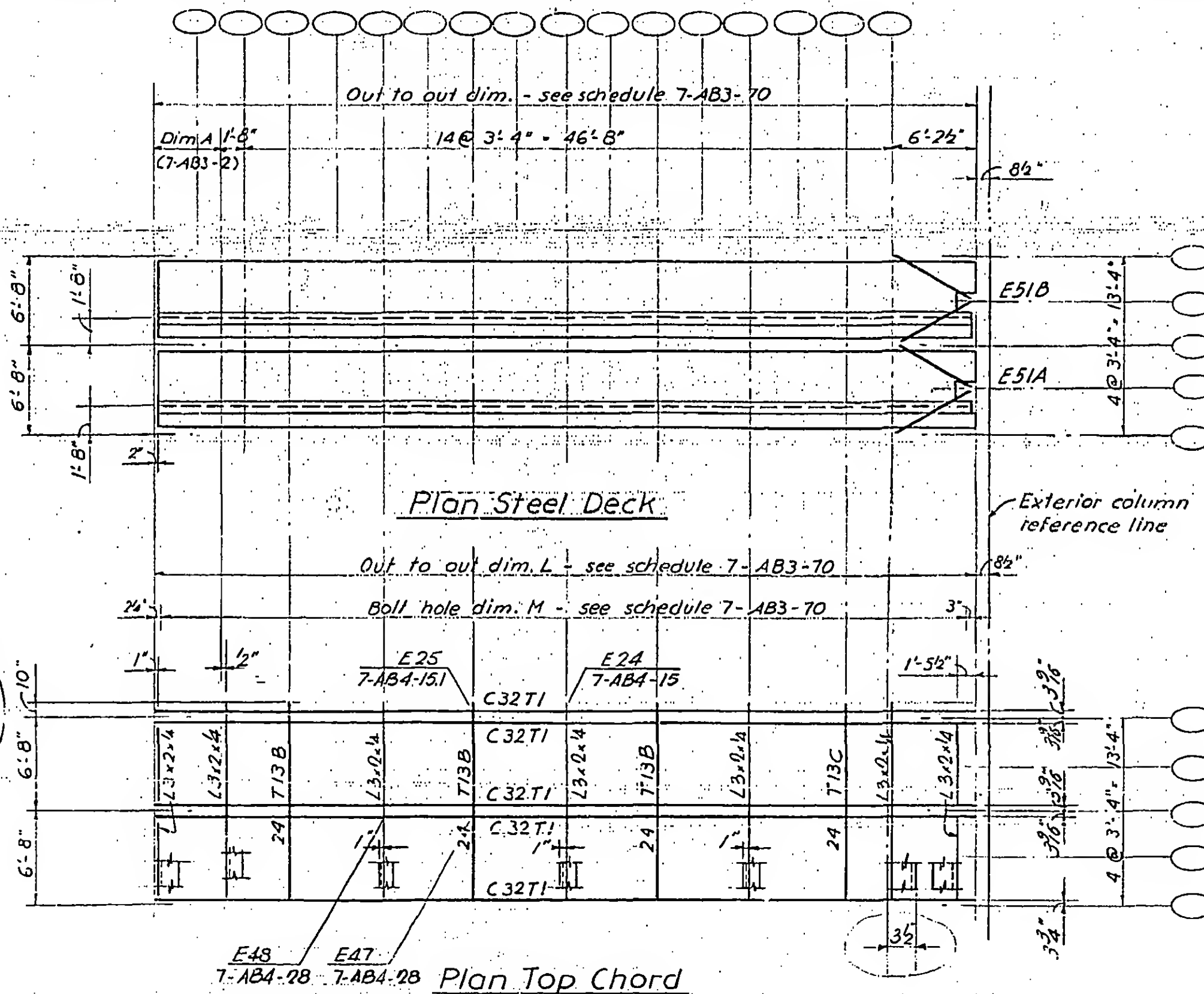
47

### Plan Top Chord

7-AB3-78

## REVISIONS

1-3-68  
2-15-68  
~~4-1-68~~  
7-22-68  
10-15-68



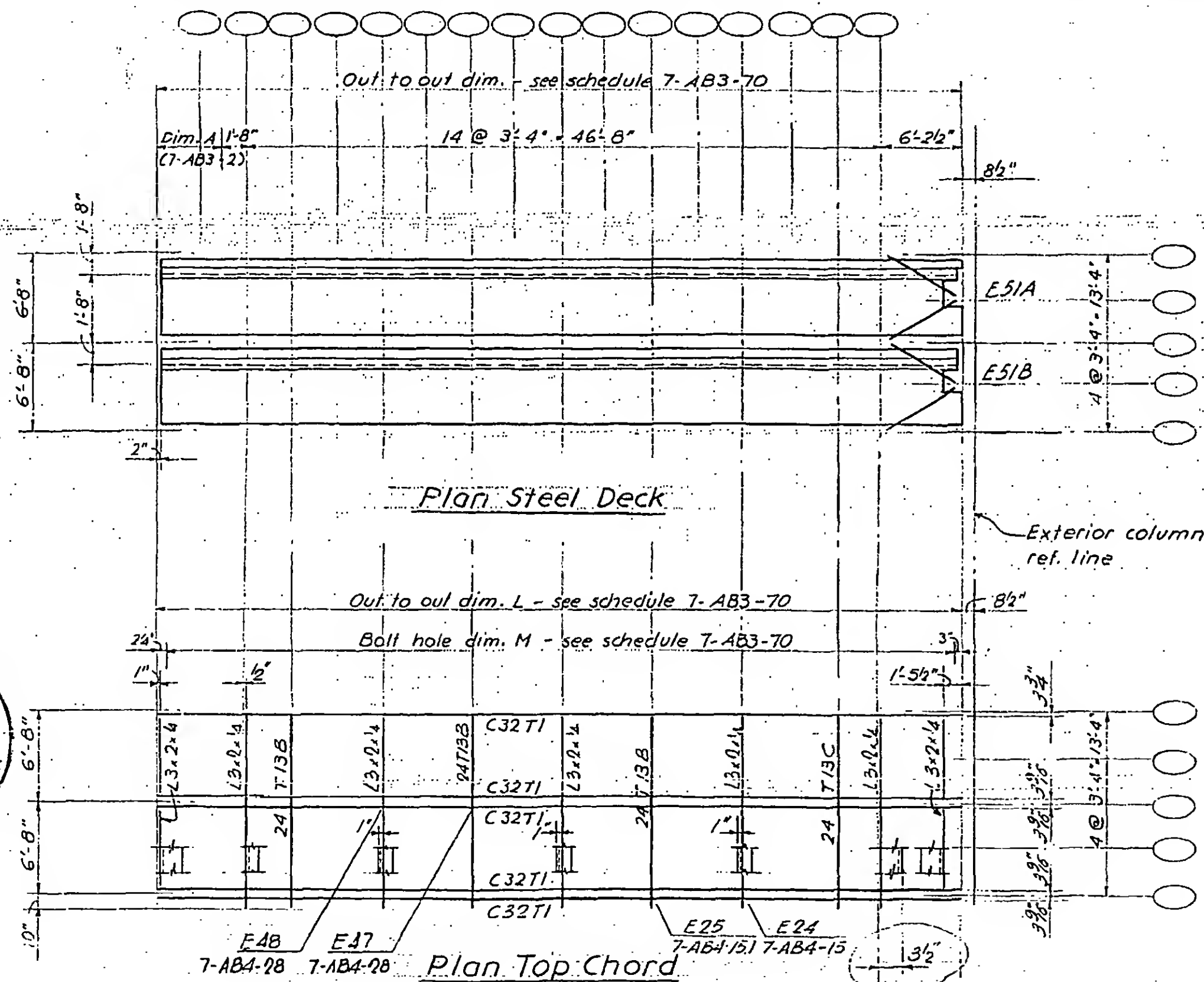
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL CR7

DATE 10-20-67

## REVISIONS

1-3-68  
2-15-68  
4-1-68  
7-22-68  
10-15-68



7-AB3-80



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## Structural &amp; Civil Engineers

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	FLOOR PANEL DETAILS - INDEX & GENERAL NOTES	1-3-68

## REVISIONS

4- 1-68  
7-22-68  
8- 1-68  
8-15-68  
10- 4-68  
1- 3-69  
1- 6-69  
1-20-69  
2- 3-69  
3- 3-69  
4- 1-69

Printed 5-1-69

7-AB4- 1 Floor Panel Details, Index & General Notes  
7-AB4- 2 Schedule of Details - Tower A  
7-AB4- 2.1 Schedule of Details - Tower A  
7-AB4- 2.2 Schedule of Details - Tower B  
thru 2.4  
7-AB4- 3 Floor Panel - Detail E1-E3  
7-AB4- 3.1 Floor Panel - Detail E1-E4  
7-AB4- 4 Floor Panel - Detail E5 & E5A  
7-AB4- 5 Floor Panel - Detail E6  
7-AB4- 6 Floor Panel - Detail E6  
7-AB4- 7 Floor Panel - Detail E8  
7-AB4- 8 Floor Panel - Detail E9 & E9A  
7-AB4- 9 Floor Panel - Detail E10  
7-AB4-10 Floor Panel - Detail E11  
7-AB4-11 Floor Panel - Detail E12  
7-AB4-11.1 Floor Panel - Detail E12, E13  
7-AB4-11.2 Floor Panel - Detail E13  
7-AB4-11.3 Floor Panel - Detail E12, E13, E17, E-18  
7-AB4-12 Floor Panel - Detail E16  
7-AB4-13 Floor Panel - Detail E17  
7-AB4-13.1 Floor Panel - Detail E18  
7-AB4-13.2 Floor Panel - Detail E17 & E18  
7-AB4-14 Floor Panel - Detail E19, E21, E22  
7-AB4-14.1 Floor Panel - Detail E20  
7-AB4-15 Floor Panel - Detail E23, E24  
7-AB4-15.1 Floor Panel - Detail E25, E26, E26A  
15.2  
7-AB4-16 Floor Panel - Detail E27 & E27A  
7-AB4-17 Floor Panel - Detail E28 - E28E  
thru  
7-AB4-17.7  
7-AB4-18 Floor Panel - Detail E34, E35, E35A  
7-AB4-18.1 Floor Panel - Detail E30,  
7-AB4-18.2 Floor Panel - Detail E30, E34, E34A  
7-AB4-18.3 Floor Panel - Detail E34A  
7-AB4-18.4 Floor Panel - Detail E34B  
7-AB4-18.5 Floor Panel - Detail E31  
7-AB4-19 Floor Panel - Detail E38 & E39  
7-AB4-2D Not Used  
7-AB4-21 Floor Panel - Detail E40, E40A, E45, E45A  
7-AB4-22 Floor Panel - Detail E41, E41A, E41C - E41E  
7-AB4-22.1 Floor Panel - Detail E41B & E46  
7-AB4-23 Floor Panel - Detail E42  
7-AB4-24 Floor Panel - Detail E43  
7-AB4-25 Floor Panel - Detail E44  
7-AB4-26 Not Used  
7-AB4-27 Not Used  
7-AB4-28 Floor Panel - Detail E47 & E48  
7-AB4-28.1 Floor Panel - Detail E47A  
7-AB4-29 Floor Panel - Detail E48 & E49A  
7-AB4-30 Floor Panel - Detail E5D  
7-AB4-31,31.1,2 Floor Panel - Detail E51A, E51B, E51C, E51D, E52D  
7-AB4-32,32.1 Floor Panel - Detail E52A, E52B, E52C  
7-AB4-33 Floor Panel - Detail E53  
7-AB4-34,34.1 Floor Panel - Detail E54, E54A  
7-AB4-35 Floor Panel - Detail E55

7-AB4-36 Floor Panel - Detail E56  
7-AB4-37 Floor Panel - Detail E57  
7-AB4-38 Floor Panel - Detail E58, E59, E60  
7-AB4-38.1 Floor Panel - Detail E58, E59, E59A  
& 38.2, 38.3  
7-AB4-39 Floor Panel - Detail E50  
7-AB4-40 Floor Panel - Detail E61 - E67  
7-AB4-41 Floor Panel - Detail E68A  
7-AB4-41.1 Floor Panel - Detail E68  
7-AB4-42 Floor Panel - Detail E61 - E67  
7-AB4-42.1 Damper Connection - Detail E61 - E67  
7-AB4-43 Floor Panel - Detail E60, E68, E68A  
7-AB4-44 Floor Panel - Detail E61 - E67  
7-AB4-45,45.1 Floor Panel - Detail E65  
7-AB4-46 Floor Panel - Detail E60 & E68  
7-AB4-46.1 Floor Panel - Detail E68A  
7-AB4-47 Floor Panel - Detail E60 - E67  
7-AB4-47.1 Floor Panel - Detail E68 & E68A  
7-AB4-48 Floor Panel - Detail E61 - E64  
7-AB4-49 Floor Panel - Detail E60, E66, E67  
7-AB4-49.1 Floor Panel - Detail E68 & E68A  
7-AB4-49.2 Floor Panel - Detail E69  
7-AB4-50 thru Floor Panel - Detail E70 thru E73  
7-AB4-52  
7-AB4-53 Floor Panel - Detail E74  
7-AB4-54 Floor Panel - Detail E75  
7-AB4-55 Floor Panel - Detail E75A  
7-AB4-56 Floor Panel - Detail E76  
7-AB4-57 Floor Panel - Detail E76  
7-AB4-58 Floor Panel - Detail E76A, E76B  
7-AB4-59 Floor Panel - Detail E76A, E76B, E77  
7-AB4-60 Floor Panel - Detail E76, E76A, E76B  
7-AB4-61 Floor Panel - Detail E77A  
7-AB4-62 Floor Panel - Detail E78, E79

- NOTES: 1. The Contractor shall detail all connections, erection aids and all else required for the fabrication, assembly and erection of the pre-fabricated floor panels. Steel deck and power/telephone cell details shall be done by the Contractor for WTC Contract 222.00 -- all other details by the Contractor for WTC Contract 221.00. Details shall incorporate the geometry requirements and specific detail requirements where indicated in Drawing Book 7. Details shall be proportioned to transmit the loads indicated in Drawing Book 7 and all other loads required for assembly and for erection.
2. The Contractor shall submit details to the Engineer for review prior to performing any work.



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PROJECT THE WORLD TRADE CENTER

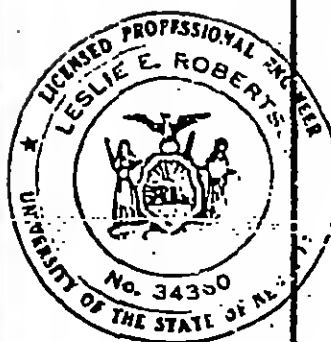
TITLE FLOOR PANEL DETAIL SCHEDULE - TOWER A

DATE 10-20-67

## REVISIONS

1-3-68  
7-22-68  
1-6-69

No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
①	10-38	E 6	7-AB4-5	⑤	10-40	E 17	7-AB4-13	⑨	10-24	E 16	7-AB4-12
	39, 40	E 6	7-AB4-5		44	E 22	7-AB4-14		25	E 11	7-AB4-10
	44-46	E 10	7-AB4-8		45-49	E 21	7-AB4-14		26-40	E 16	7-AB4-12
	47-49	E 9	7-AB4-8		50-74	E 17	7-AB4-13		44-49	E 20	7-AB4-14.1
	50-74	E 6	7-AB4-5		78	E 22	7-AB4-14		50-58	E 16	7-AB4-12
	78, 79	E 9A	7-AB4-8		79	E 21	7-AB4-14		59	E 11	7-AB4-10
	80-106	E 6	7-AB4-5		80-106	E 17	7-AB4-13		60-74	E 16	7-AB4-12
②	10-38	E 6	7-AB4-5	⑥	10-40	E 12	7-AB4-11		78-79	E 20	7-AB4-14.1
	39, 40	E 6	7-AB4-5		44	E 22	7-AB4-14		80-91	E 16	7-AB4-12
	44-46	E 10	7-AB4-8		45-49	E 21	7-AB4-14		92	E 11	7-AB4-10
	47-49	E 9	7-AB4-8		50-66	E 12	7-AB4-11		93-106	E 16	7-AB4-12
	50-74	E 6	7-AB4-5		67	E 12	7-AB4-11	⑩	Some	as ⑤ except	
	78	E 9A	7-AB4-8		68-74	E 12	7-AB4-11		79	E 17	7-AB4-13
	79-106	E 6	7-AB4-5		78	E 22	7-AB4-14	⑪	Same	as ⑥ except	
③	10-38	E 6	7-AB4-5		79	E 21	7-AB4-14		79	E 12	7-AB4-11
	39, 40	E 6	7-AB4-5	⑦	80-106	E 12	7-AB4-11	⑫	Same	as ⑦ except	
	44, 45	E 10	7-AB4-8		10-40	E 18	7-AB4-13.1		79	E 18	7-AB4-13.1
	46	E 8	7-AB4-7		44-49	E 19	7-AB4-14	⑬	Same	as ⑧ except	
	47-71	E 6	7-AB4-5		50-74	E 18	7-AB4-13.1		79	E 13	7-AB4-11.2
	72-74	E 8	7-AB4-7		78, 79	E 19	7-AB4-14	⑭	Same	as ⑨ except	
	78-80	E 10	7-AB4-8		80-106	E 18	7-AB4-13.1		79	E 16	7-AB4-12
	81-83	E 9A	7-AB4-8	⑧	10-24	E 13	7-AB4-11.2	⑮	10-40	E 17	7-AB4-13
	84-106	E 6	7-AB4-5		25	E 13	7-AB4-11.2		44	E 22	7-AB4-14
④	10, 11	E 6	7-AB4-5		26-40	E 13	7-AB4-11.2		45	E 21	7-AB4-14
	12-38	E 6	7-AB4-5		44-49	E 21	7-AB4-14		46-74	E 17	7-AB4-13
	39	E 6	7-AB4-5		50-58	E 13	7-AB4-11.2		78	E 22	7-AB4-14
	40	E 8	7-AB4-7		59	E 13	7-AB4-11.2		79-83	E 21	7-AB4-14
	44	E 10	7-AB4-8		60-66	E 13	7-AB4-11.2		84-106	E 17	7-AB4-13
	45, 46	E 8	7-AB4-7		67	E 13	7-AB4-11.2				
	47-71	E 6	7-AB4-5		68-74	E 13	7-AB4-11.2				
	72-74	E 8	7-AB4-7		78-79	E 21	7-AB4-14				
	78-80	E 10	7-AB4-8		80-91	E 13	7-AB4-11.2				
	81-83	E 9A	7-AB4-8		92	E 13	7-AB4-11.2				
	84-106	E 6	7-AB4-5		93-106	E 13	7-AB4-11.2				



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PROJECT THE WORLD TRADE CENTER TITLE FLOOR PANEL DETAIL SCHEDULE-TOWER A DATE 10-20-67

REVISIONS

1-3-68  
7-22-68  
1-6-69

No.	Floor	Detail	Ref. Dwg.	No.	Floor	Detail	Ref. Dwg.	No.	Floor	Detail	Ref. Dwg.
(16)	10-40	E12	7-AB4-11	(20)	Same as	(15) except		(29)	10-40	E30	7-AB4-18.1
	44	E22	7-AB4-14		45	E17	7-AB4-13		44	E31	7-AB4-18.5
	45	E21	7-AB4-14	(21)	Same as	(16) except			45	E30	7-AB4-18.1
	46-66	E12	7-AB4-11		45	E12	7-AB4-11		46-66	E30	7-AB4-18.1
	67	E12	7-AB4-11	(22)	Same as	(17) except			67	E30	7-AB4-18.1
	68-74	E12	7-AB4-11		45	E18	7-AB4-13.1		68-74	E30	7-AB4-18.1
	78	E22	7-AB4-14	(23)	Same as	(18) except			78	E31	7-AB4-18.5
	79-83	E21	7-AB4-14		45	E13	7-AB4-11.2		79-83	E30	7-AB4-18.1
	84-106	E12	7-AB4-11	(24)	Same as	(19) except			84-106	E30	7-AB4-18.1
(17)	10-40	E18	7-AB4-13.1		45	E16	7-AB4-12	(30)	10-40	E34	7-AB4-18
	44, 45	E19	7-AB4-14	(25)	10-40	E30	7-AB4-18.1		44	E35	7-AB4-18
	46-74	E18	7-AB4-13.1		44	E31	7-AB4-18.5		45	E34	7-AB4-18
	78-83	E19	7-AB4-14		45-49	E30	7-AB4-18.1		46-66	E34	7-AB4-18
	84-106	E18	7-AB4-13.1		50-66	E30	7-AB4-18.1		67	E34	7-AB4-18
(18)	10-24	E13	7-AB4-11.2		67	E30	7-AB4-18.1		68-74	E34	7-AB4-18
	25	E13	7-AB4-11.2		68-74	E30	7-AB4-18.1		78	E35	7-AB4-18
	26-40	E13	7-AB4-11.2		78	E31	7-AB4-18.5		79-83	E34	7-AB4-18
	44, 45	E21	7-AB4-14		79	E30	7-AB4-18.1		84-106	E34	7-AB4-18
	46-58	E13	7-AB4-11.2		80-106	E30	7-AB4-18.1	(31)	Same as	(29) except	
	59	E13	7-AB4-11.2	(26)	10-40	E34	7-AB4-18		45	E30	7-AB4-18.1
	60-66	E13	7-AB4-11.2		44	E35A	7-AB4-18	(32)	Same as	(30) except	
	67	E13	7-AB4-11.2		45-49	E34	7-AB4-18		45	E34	7-AB4-18
	68-74	E13	7-AB4-11.2		50-66	E34	7-AB4-18				
	78-83	E21	7-AB4-14		67	E34	7-AB4-18				
	84-91	E13	7-AB4-11.2		68-74	E34	7-AB4-18				
	92	E13	7-AB4-11.2		78	E35	7-AB4-18				
	93-106	E13	7-AB4-11.2		79	E34	7-AB4-18				
(19)	10-24	E16	7-AB4-12		80-106	E34	7-AB4-18				
	25	E11	7-AB4-10	(27)	Same as	(25)					
	26-40	E16	7-AB4-12								
	44, 45	E20	7-AB4-14.1	(28)	Same as	(26) except					
	46-58	E16	7-AB4-12								
	59	E11	7-AB4-10		44	E35	7-AB4-18				
	60-74	E16	7-AB4-12								
	78-83	E20	7-AB4-14.1								
	84-91	E16	7-AB4-12								
	92	E11	7-AB4-10								
	93-106	E16	7-AB4-12								

7-AB4-2.1



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PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL SCHEDULE - TOWER B

DATE 10-20-67

## REVISIONS

1-3-68  
7-22-68  
10-4-68  
1-6-69

NO.	Floor	Detail	Ref. dwg.	NO.	Floor	Detail	Ref. dwg.	NO.	Floor	Detail	Ref. dwg.
①	10	Hold		④	10	Hold		⑦	10	Hold	
	11	Hold			11	Hold			11	Hold	
	12	Hold			12	Hold			12	Hold	
	13	Hold			13	Hold			13	Hold	
	14-38	E6	7-AB4-5		14-38	E6	7-AB4-5		14-40	E18	7-AB4-13.1
	39-40	E6	7-AB4-5		39	E6	7-AB4-5		44-49	E19	7-AB4-14
	44-46	E10	7-AB4-8		40	E8	7-AB4-7		50-74	E18	7-AB4-13.1
	47-49	E9	7-AB4-8		44	E10	7-AB4-8		78-79	E18	7-AB4-14
	50-74	E6	7-AB4-5		45-46	E8	7-AB4-7		80-106	E18	7-AB4-13.1
	78-79	E9A	7-AB4-8		47-71	E6	7-AB4-5	⑧	10	Hold	
	80-106	E6	7-AB4-5		72-74	E8	7-AB4-7		11	Hold	
②	10	Hold			78-80	E10	7-AB4-8		12	Hold	
	11	Hold			81-83	E9A	7-AB4-8		13	Hold	
	12	Hold			84-106	E6	7-AB4-5		14-24	E13	7-AB4-11.2
	13	Hold		⑤	10	Hold			25	E13	7-AB4-11.2
	14-38	E6	7-AB4-5		11	Hold			26-40	E13	7-AB4-11.2
	39,40	E6	7-AB4-5		12	Hold			44-49	E21	7-AB4-14
	44-46	E10	7-AB4-8		13	Hold			50-58	E13	7-AB4-11.2
	47-49	E9	7-AB4-8		14-40	E17	7-AB4-13		59	E13	7-AB4-11.2
	50-74	E6	7-AB4-5		44	E22	7-AB4-14		60-74	E13	7-AB4-11.2
	78	E9A	7-AB4-8		45-49	E21	7-AB4-14		78-79	E21	7-AB4-14
	79-106	E6	7-AB4-5		50-74	E17	7-AB4-13		80-91	E13	7-AB4-11.2
③	10	Hold			78	E22	7-AB4-14		92	E13	7-AB4-11.2
	11	Hold			79	E21	7-AB4-14		93-106	E13	7-AB4-11.2
	12	Hold			80-106	E17	7-AB4-13				
	13	Hold		⑥	10	Hold					
	14-38	E6	7-AB4-5		11	Hold					
	39,40	E6	7-AB4-5		12	Hold					
	44,45	E10	7-AB4-8		13	Hold					
	46	E8	7-AB4-7		14-40	E12	7-AB4-11				
	47-71	E6	7-AB4-5		44	E22	7-AB4-14				
	72-74	E8	7-AB4-7		45-49	E21	7-AB4-14				
	78-80	E10	7-AB4-8		50-74	E12	7-AB4-11				
	81-83	E9A	7-AB4-8		78	E22	7-AB4-14				
	84-106	E6	7-AB4-5		79	E21	7-AB4-14				
					80-106	E12	7-AB4-11				





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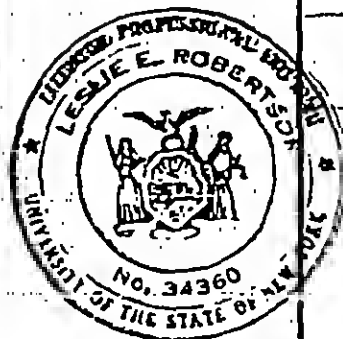
TITLE FLOOR PANEL DETAIL SCHEDULE - TOWER B

DATE 10-20-67

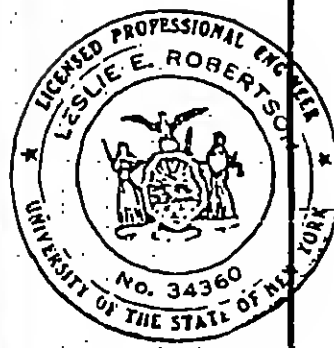
## REVISIONS

No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
⑨	10	Hold		⑩	10	Hold		⑪	10	Hold	
	11	Hold			11	Hold			11	Hold	
	12	Hold			12	Hold			12	Hold	
	13	Hold			13	Hold			13	Hold	
	14-24	E16	7-AB4-12		14-40	E12	7-AB4-11		14-24	E16	7-AB4-12
	25	E11	7-AB4-10		44	E22	7-AB4-14		25	E11	7-AB4-10
	26-40	E16	7-AB4-12		45	E21	7-AB4-14		26-40	E16	7-AB4-12
	44-49	E20	7-AB4-14.1		46-74	E12	7-AB4-11		44-45	E20	7-AB4-14.1
	50-58	E16	7-AB4-12		75	E22	7-AB4-14		46-58	E16	7-AB4-12
	59	E11	7-AB4-10		79-83	E21	7-AB4-14		59	E11	7-AB4-10
	60-74	E16	7-AB4-12		84-106	E12	7-AB4-11		60-74	E16	7-AB4-12
	78,79	E20	7-AB4-14.1	⑪	10	Hold			78-83	E20	7-AB4-14.1
	80-91	E16	7-AB4-12		11	Hold			84-91	E16	7-AB4-12
	92	E11	7-AB4-10		12	Hold			92	E11	7-AB4-10
	93-106	E16	7-AB4-12		13	Hold			93-106	E16	7-AB4-12
⑩	Some as ⑤ except				14-40	E18	7-AB4-13.1	⑫	Some as ⑤ except		
	79	E17	7-AB4-13		44-45	E19	7-AB4-14		45	E17	7-AB4-13
⑪	Some as ⑥ except				46-74	E18	7-AB4-13.1	⑬	Some as ⑥ except		
	79	E12	7-AB4-11		78-83	E19	7-AB4-14		45	E12	7-AB4-11
⑫	Some as ⑦ except				84-106	E18	7-AB4-13.1	⑭	Some as ⑦ except		
	79	E18	7-AB4-13.1	⑬	10	Hold			45	E18	7-AB4-13.1
⑬	Some as ⑧ except				11	Hold		⑮	Some as ⑧ except		
	79	E13	7-AB4-11.2		12	Hold			45	E13	7-AB4-11.2
⑭	Some as ⑨ except				13	Hold		⑯	Some as ⑨ except		
	79	E16	7-AB4-12		14-24	E13	7-AB4-11.2		45	E16	7-AB4-12
⑮	10	Hold			25	E13	7-AB4-11.2	⑰	10	Hold	
	11	Hold			26-40	E13	7-AB4-11.2		11	Hold	
	12	Hold			44,45	E21	7-AB4-14		12	Hold	
	13	Hold			46-58	E13	7-AB4-11.2		13	Hold	
	14-40	E17	7-AB4-13		59	E13	7-AB4-11.2		14-40	E30	7-AB4-18.1
	44	E22	7-AB4-14		60-74	E13	7-AB4-11.2		44	E31	7-AB4-18.1
	45	E21	7-AB4-14		78-83	E21	7-AB4-14		45-49	E30	7-AB4-18.1
	46-74	E17	7-AB4-13		84-91	E13	7-AB4-11.2		50-74	E30	7-AB4-18.1
	78	E22	7-AB4-14		92	E13	7-AB4-11.2		78	E31	7-AB4-18.1
	79-83	E21	7-AB4-14		93-106	E13	7-AB4-11.2		79	E30	7-AB4-18.1
	84-106	E17	7-AB4-13						80-106	E30	7-AB4-18.1

7-AB4-2.3



REVISIONS	No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
1-3-68	(26)	10	Hold		(30)	10	Hold	
7-22-68		11	Hold			11	Hold	
8-15-68		12	Hold			12	Hold	
1-6-69		13	Hold			13	Hold	
		14-24, 26-40	E34	7-AB4-18		14-40	E34	7-AB4-18
		25	E34B	7-AB4-18.4		44	E35	7-AB4-18
		44	E35	7-AB4-18		45	E34	7-AB4-18
		45-49	E34	7-AB4-18		46-74	E34	7-AB4-18
		50-58, 60-74	E34	7-AB4-18		78	E35	7-AB4-18
		59	E34B	7-AB4-18.4		79-83	E34	7-AB4-18
		78	E35	7-AB4-18		84-106	E34	7-AB4-18
		79	E34	7-AB4-18				
		80-91, 93-106	E34	7-AB4-18				
		92	E34B	7-AB4-18.4				
	(27)	Same as 79	(25) except E30	7-AB4-18.1	(31)	Same as 45	(29) except E30	7-AB4-18.1
	(28)	Same as 25, 59, 79, 92	(26) except E34	7-AB4-18	(32)	10	Hold	
	(29)	10	Hold			11	Hold	
		11	Hold			12	Hold	
		12	Hold			13	Hold	
		13	Hold			14-24	E34	7-AB4-18
		14-40	E30	7-AB4-18.1		25	E34B	7-AB4-18.4
		44	E31	7-AB4-18.5		26-40	E34	7-AB4-18
		45	E30	7-AB4-18		44	E35	7-AB4-18
		46-74	E30	7-AB4-18.1		45	E34	7-AB4-18
		78	E31	7-AB4-18.5		46-58, 60-74	E34	7-AB4-18
		79-83	E30	7-AB4-18.1		78	E35	7-AB4-18
		84-106	E30	7-AB4-18.1		79-83	E34	7-AB4-18
						84-91, 93-106	E34	7-AB4-18
						59, 92	E34B	7-AB4-18.4



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PROJECT THE WORLD TRADE CENTER

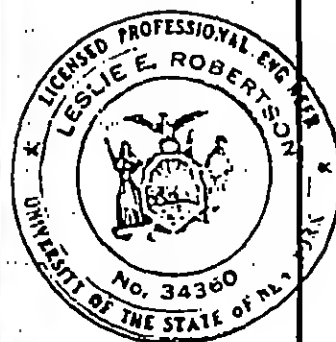
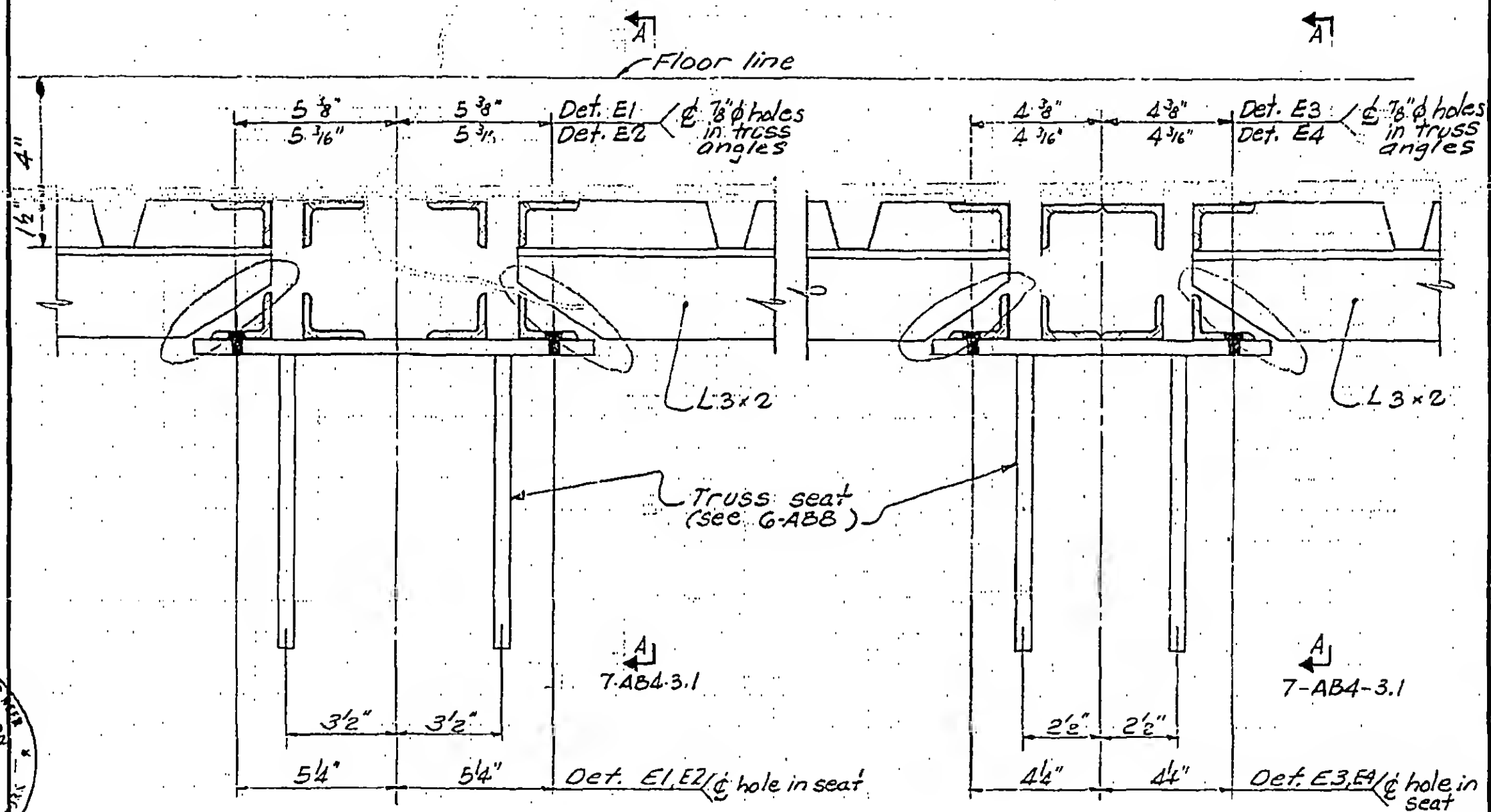
TITLE DETAIL E1, E2, E3 &amp; E4

DATE 10-20-67

## REVISIONS

1-3-68

10-15-68



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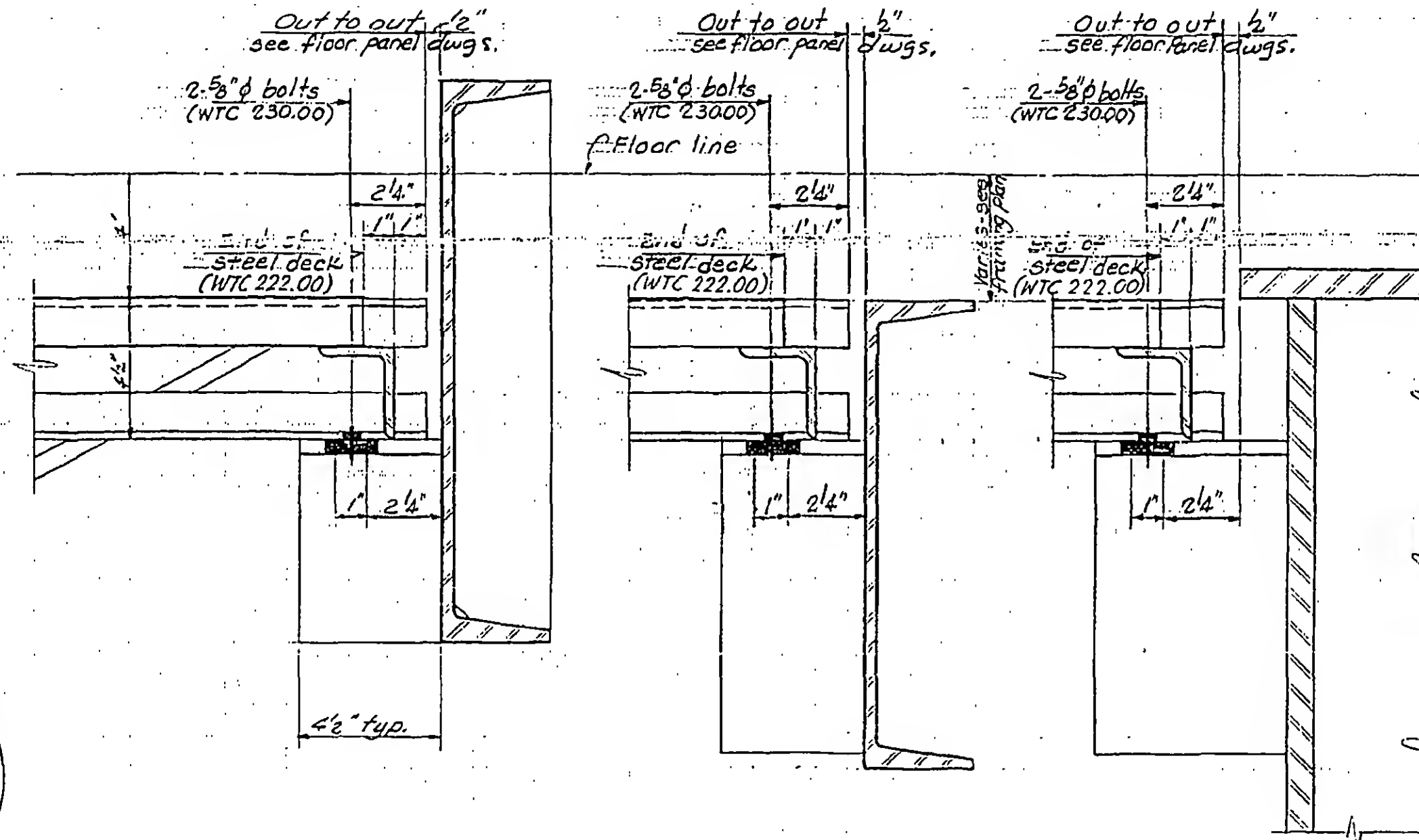
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E1, E2, E3, E4, E5, E5A, E6

DATE 10-20-67

REVISIONS

1-3-68



Section A-A  
at upset channel

Section A-A  
at channel

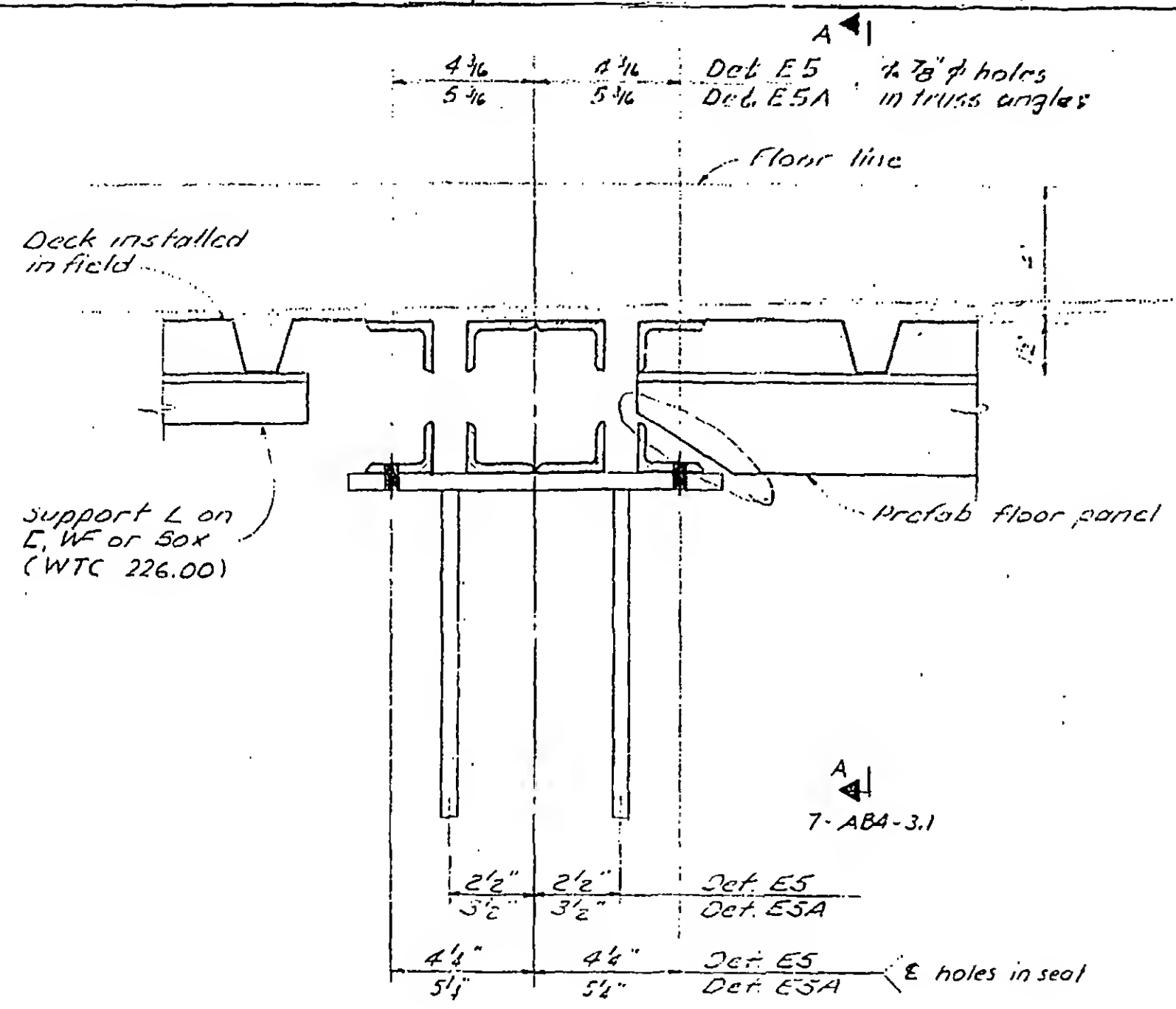
Section A-A  
at box beam



7-AB4-3.1



REVISIONS  
 1-3-68  
 10-15-68



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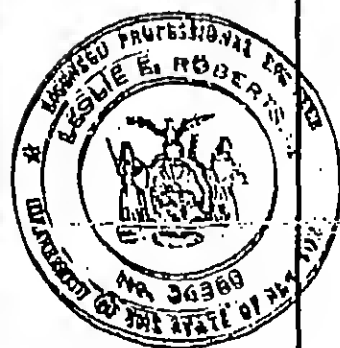
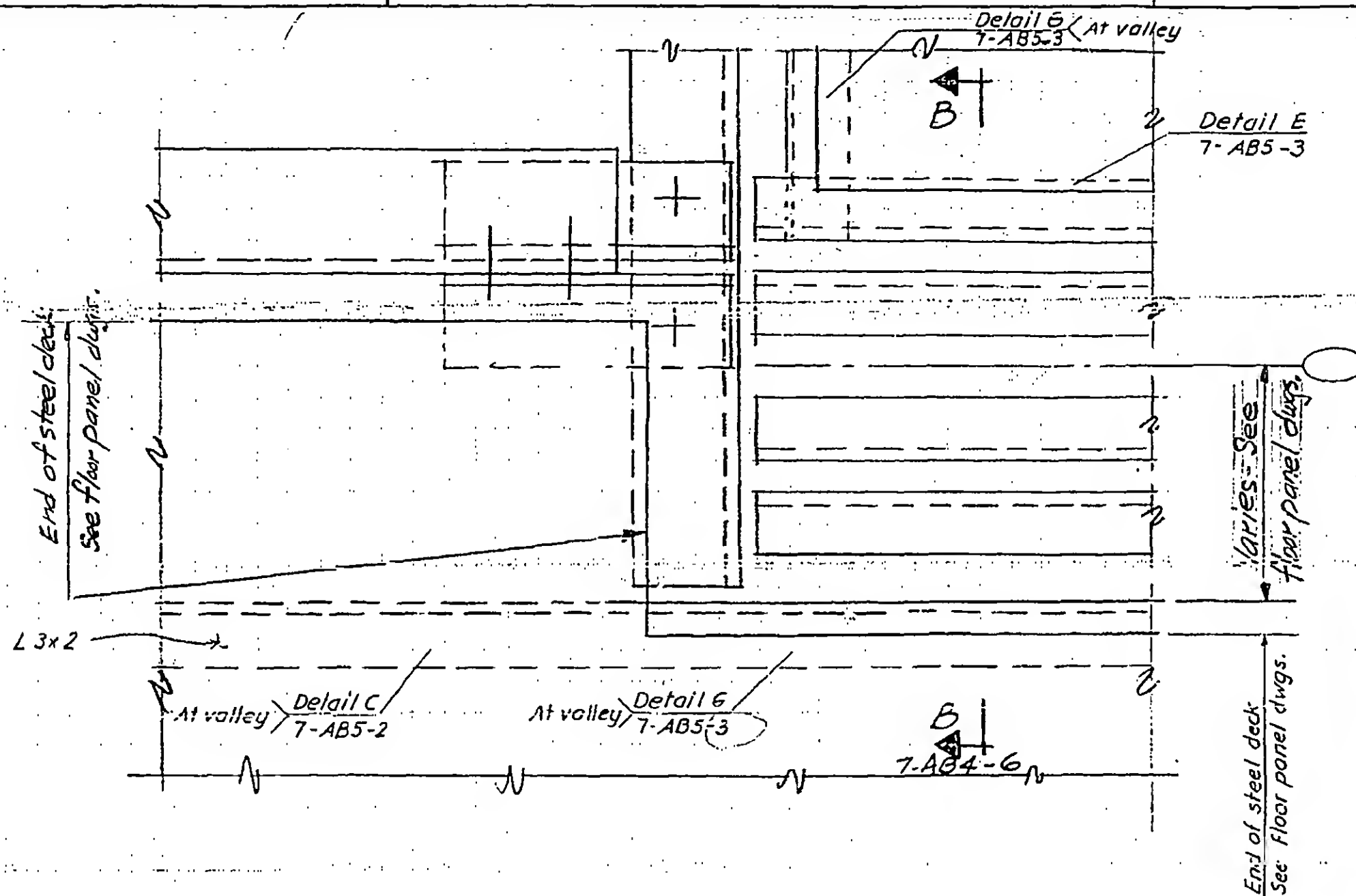
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL EG

DATE 1-3-68

REVISIONS

7-22-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

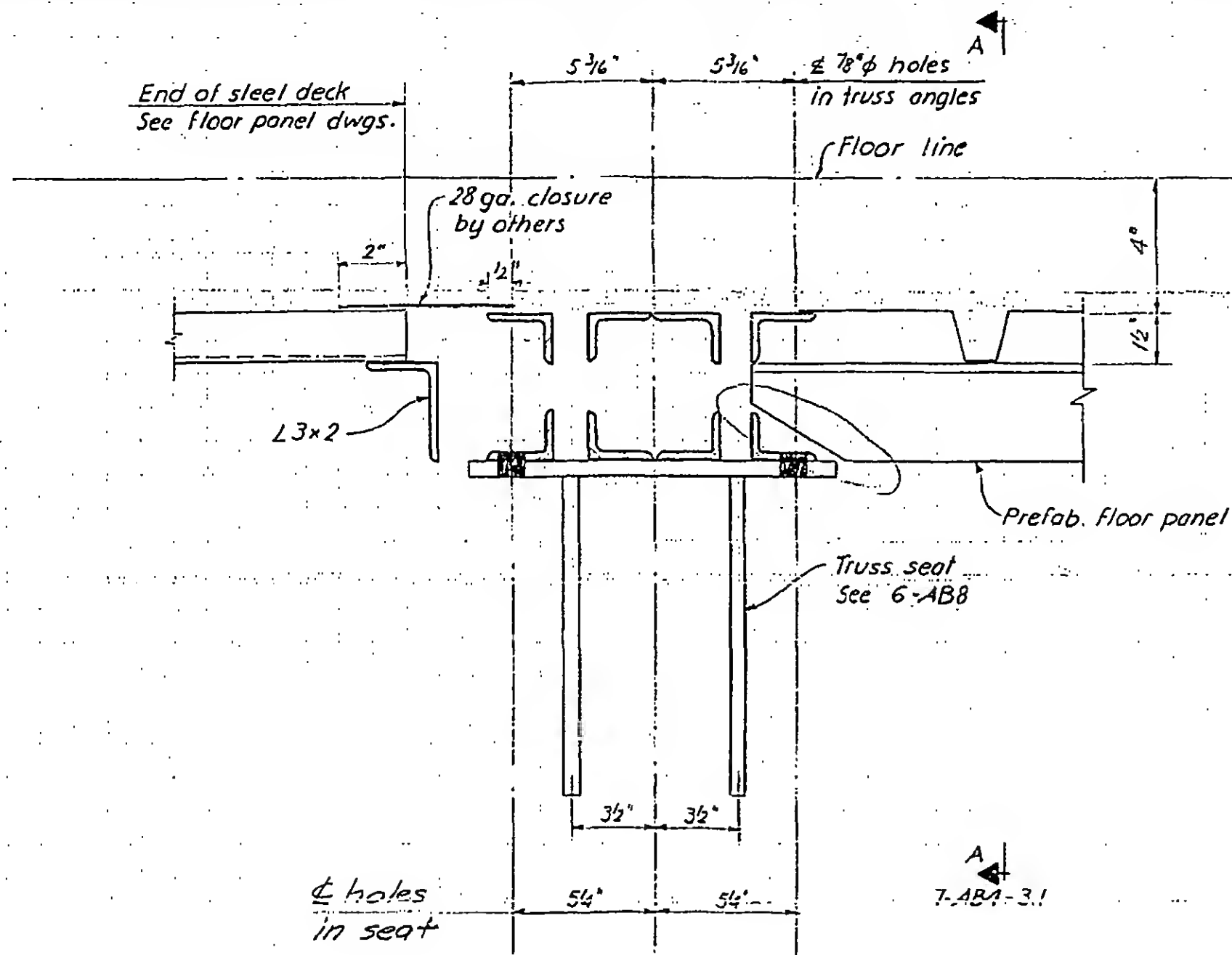
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E6

DATE 1-3-68

REVISIONS

10-15-68



A  
7-AB4-3.1

7-AB4-6

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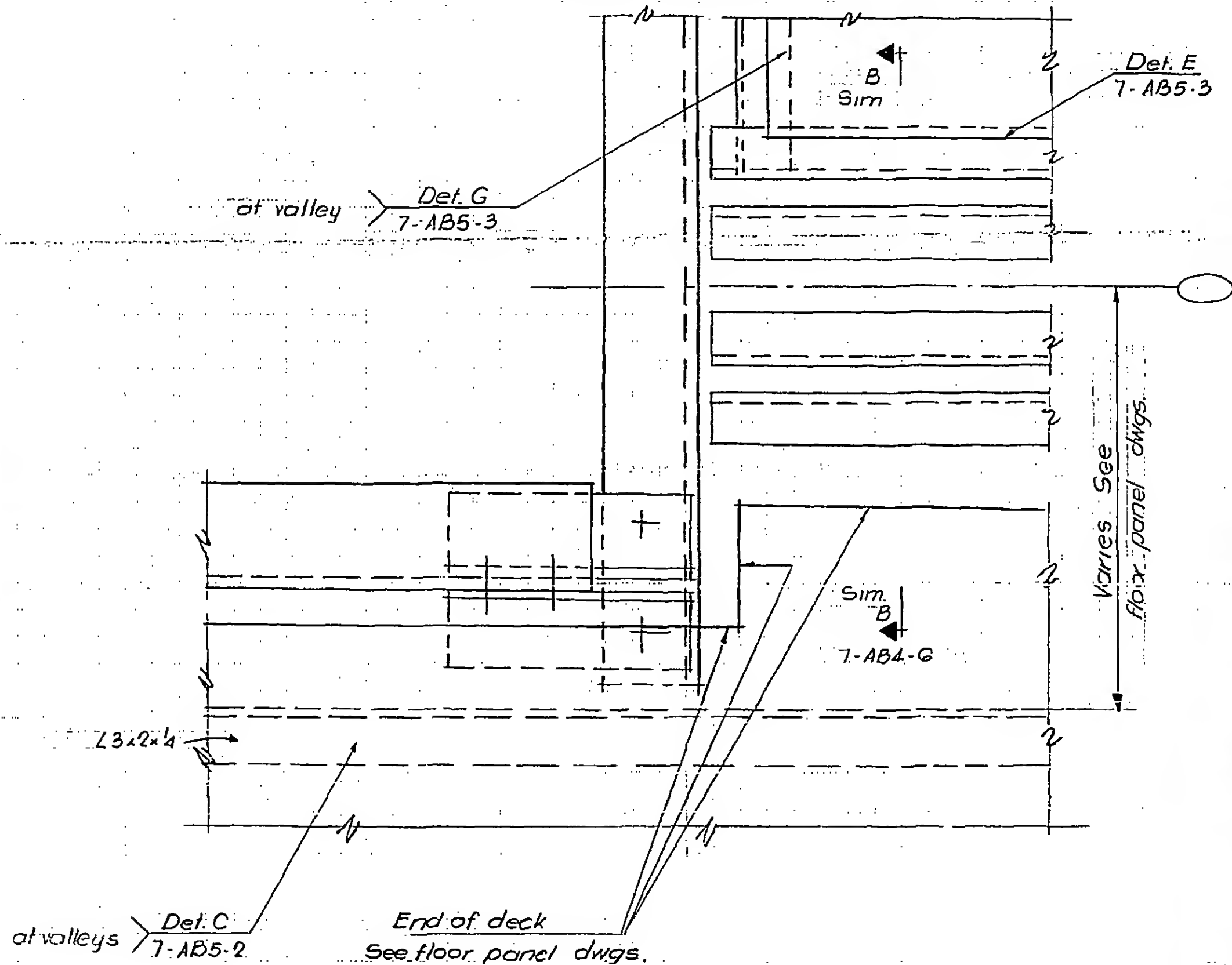
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E8

DATE 1-3-68

REVISIONS





SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

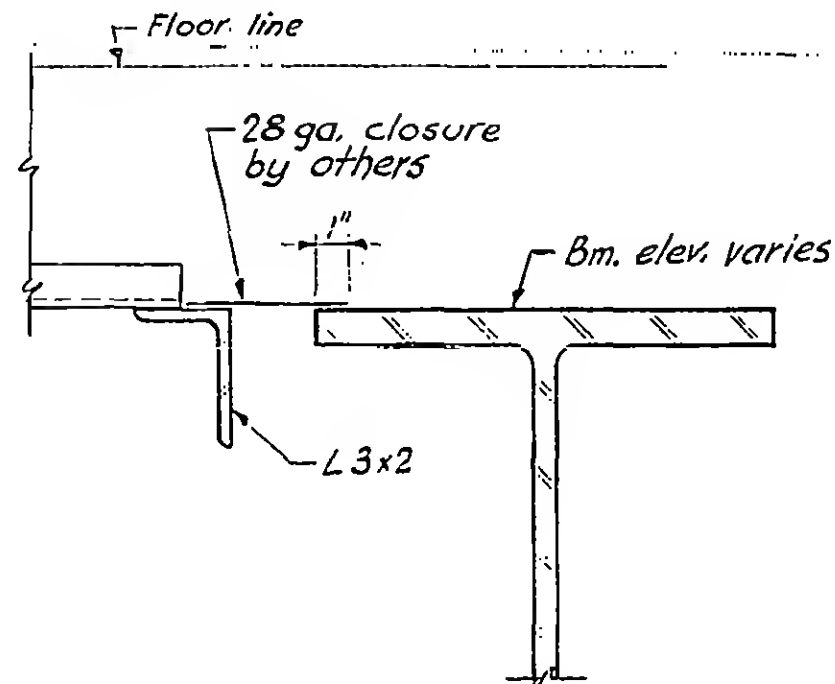
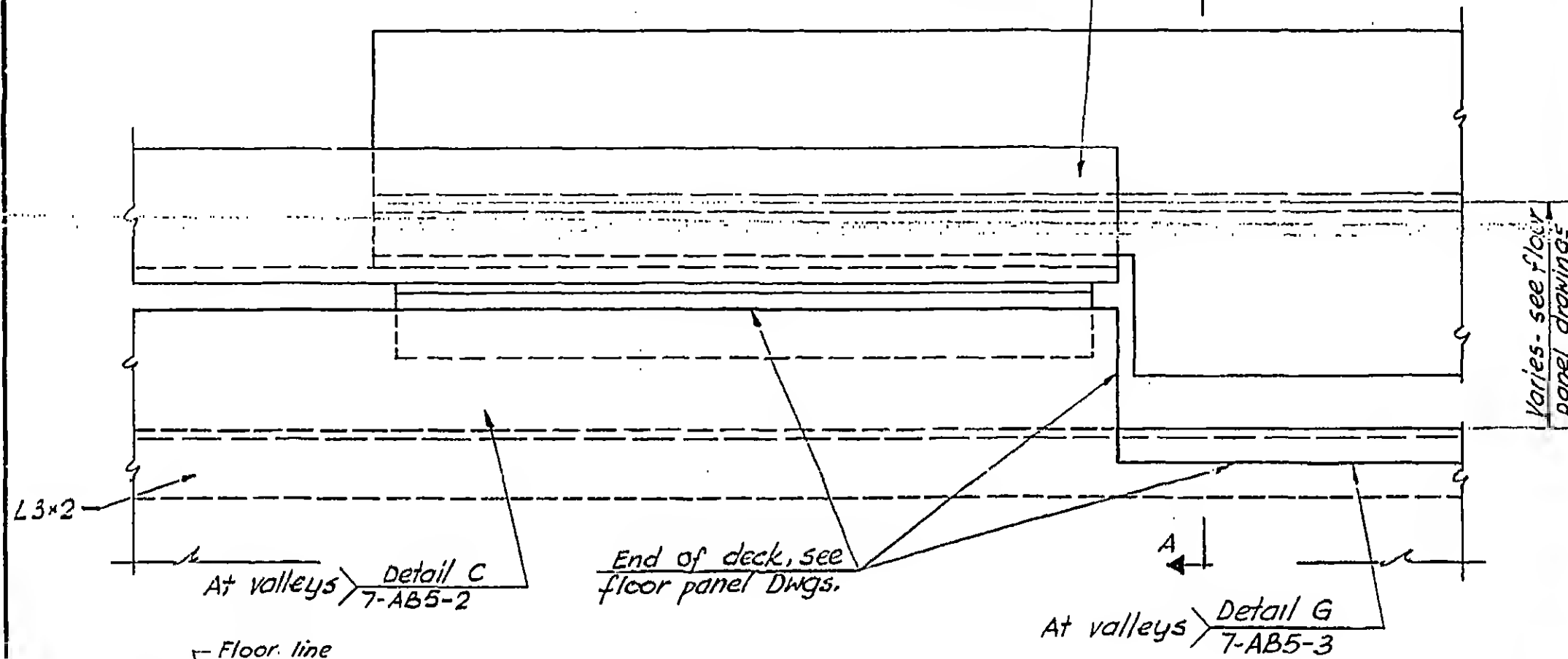
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E9, E9A

DATE 7-22-68

REVISIONS

Detail E9A similar - different  
WF floor beam connections



Section A-A



DESIGNED

DRAWN

REVIEWED

55

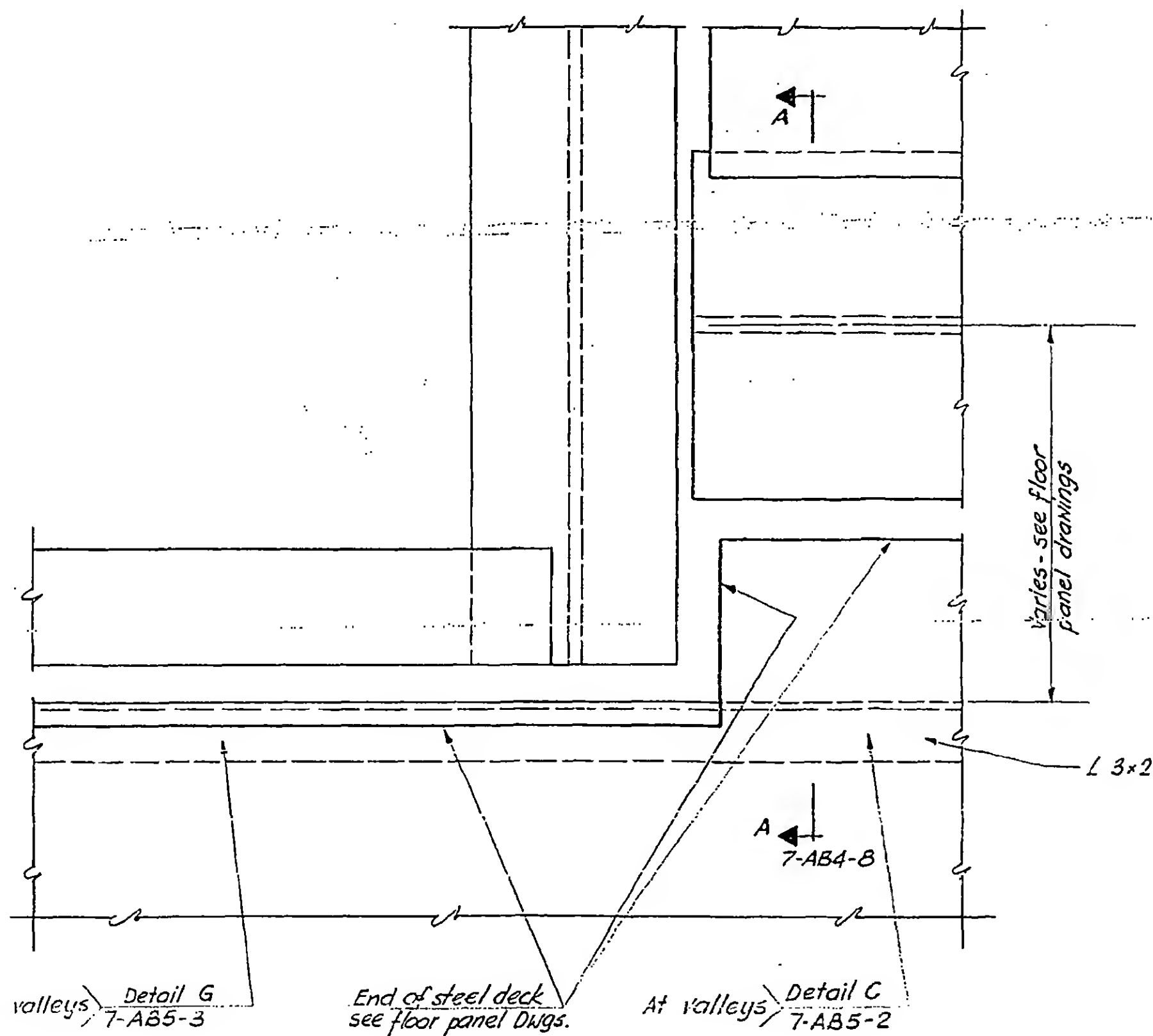
7-AB4-8

## Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E 10

DATE 7-22-68

## REVISIONS



DESIGNED

**DRAWN**

REVIEWED

56

7-AB4-9

## Structural & Civil Engineers

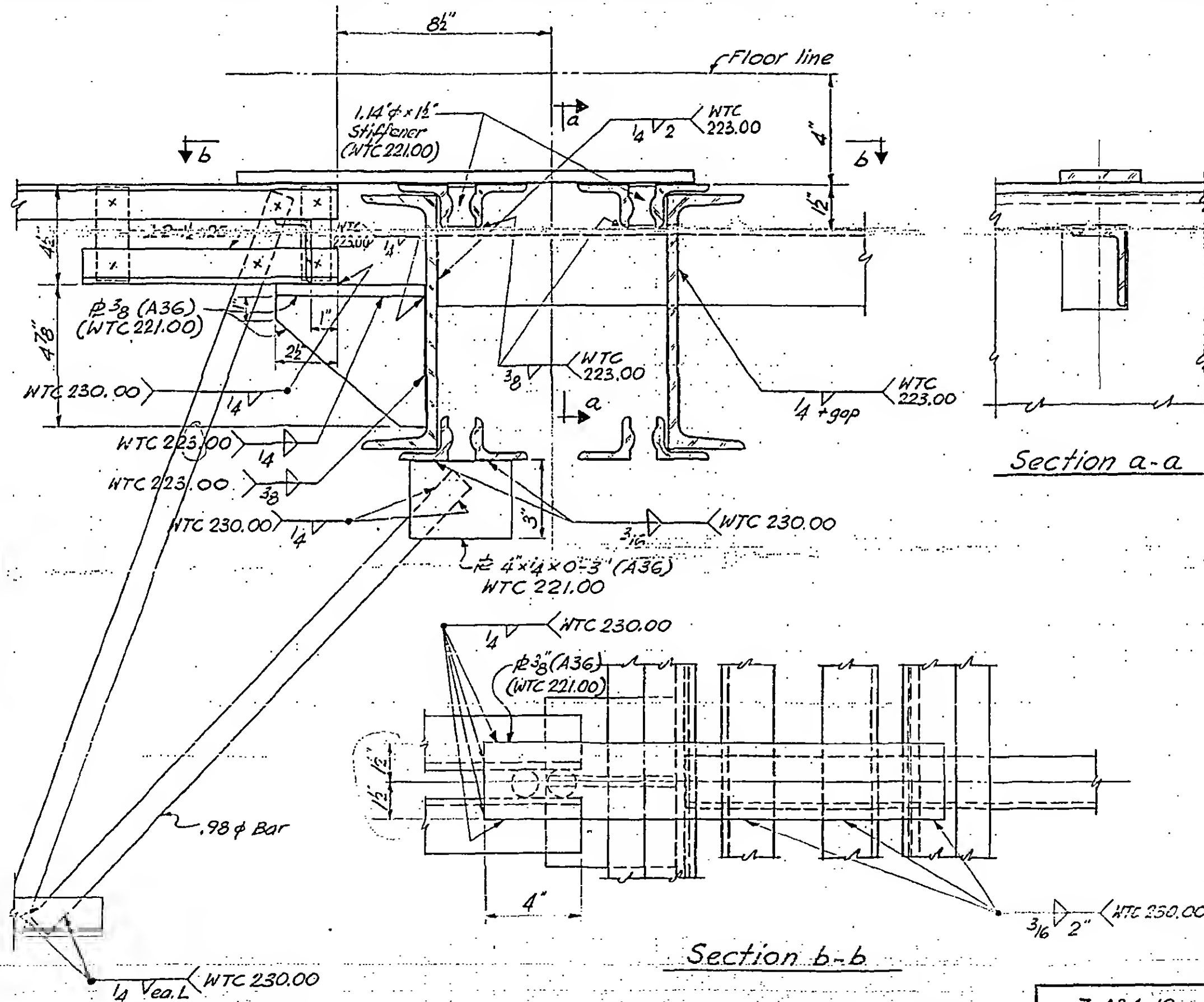
PROJECT *THE WORLD TRADE CENTER*

TITLE FLOOR TRUSS - DETAIL E11

DATE 8-15-68

## REVISIONS

10-4-68  
12-20-68



**DESIGNED**

**DRAWN**

REVIEWED

7-AB4-10

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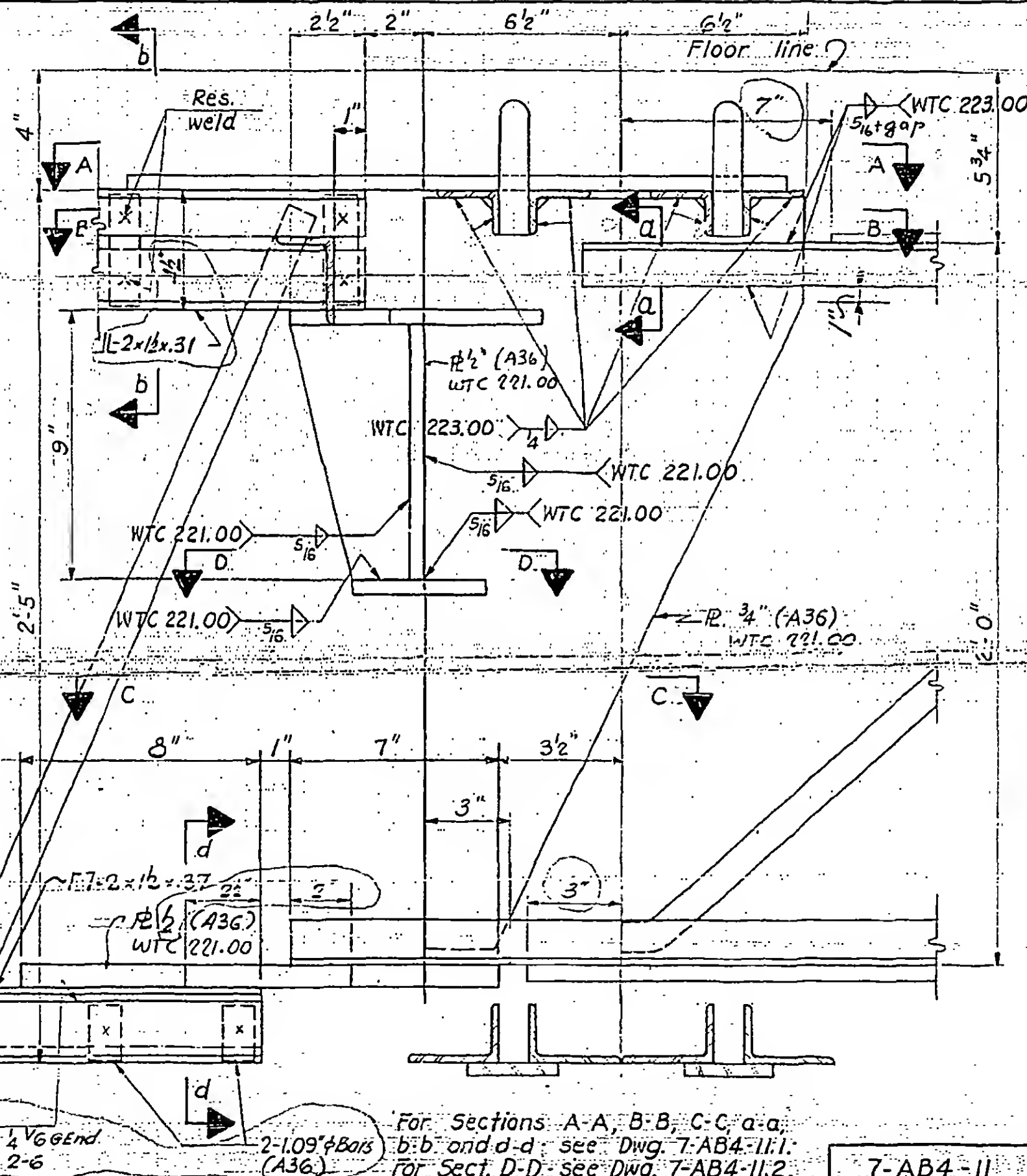
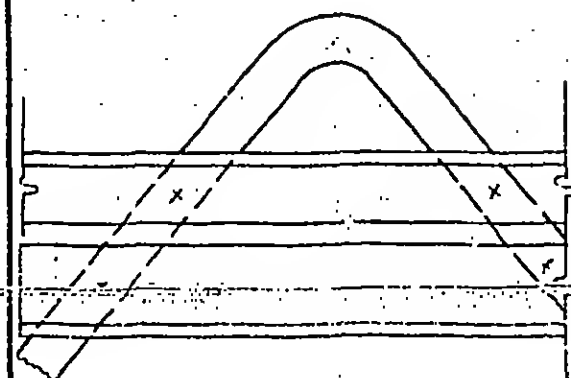
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS DETAIL E12

DATE 1-3-68

## REVISIONS

5-6-68  
7-22-68

Note:  
Truss fabrication to  
control fit tolerance  
to produce proper fit.



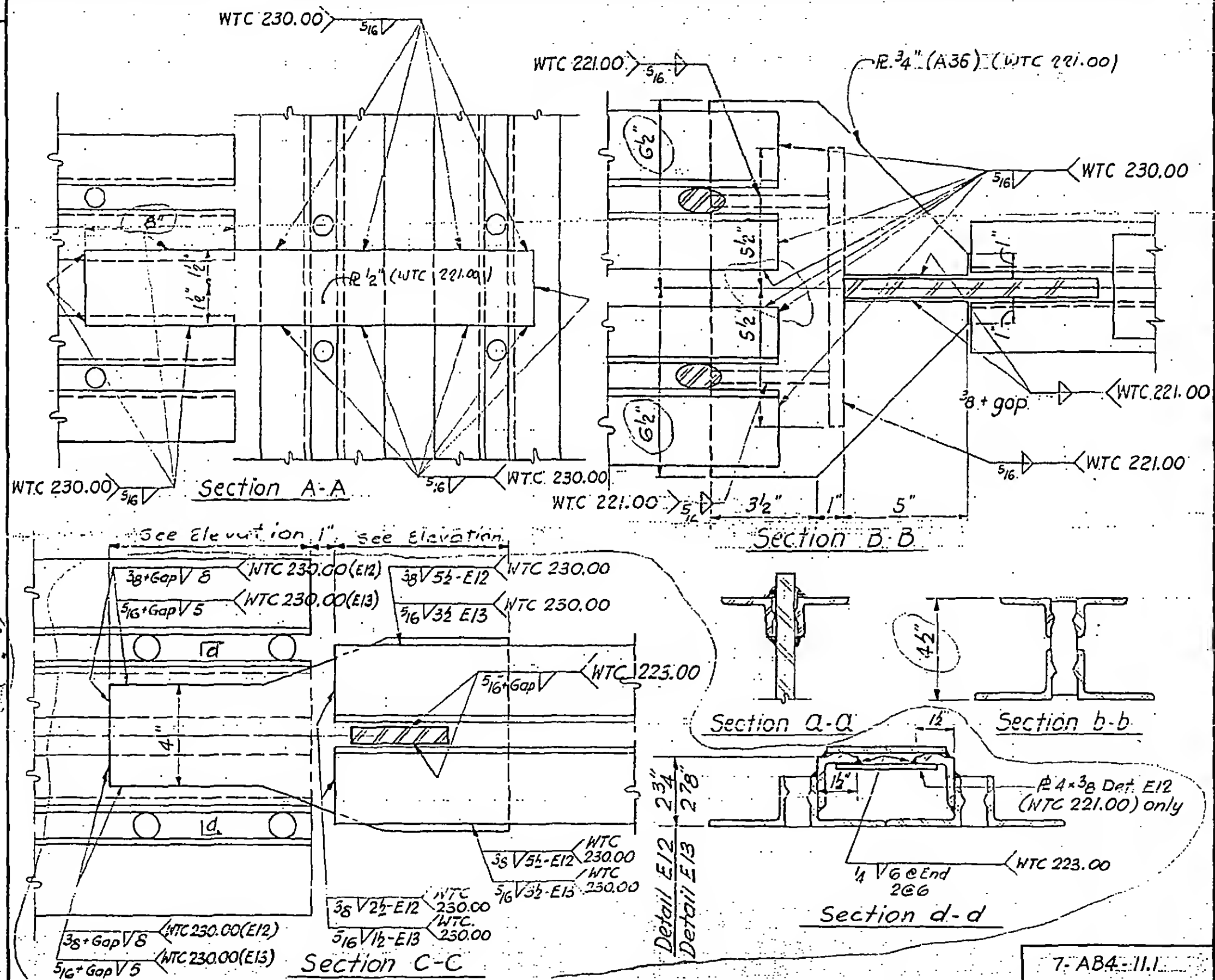
For Sections A-A, B-B, C-C, a-a,  
b-b and d-d see Dwg. 7-AB4-11.1.  
For Sect. D-D see Dwg. 7-AB4-11.2.

7-AB4-11



## REVISIONS

7-22-68



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PROJECT

THE WORLD TRADE CENTER

TITLE

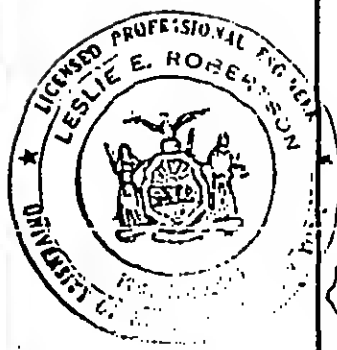
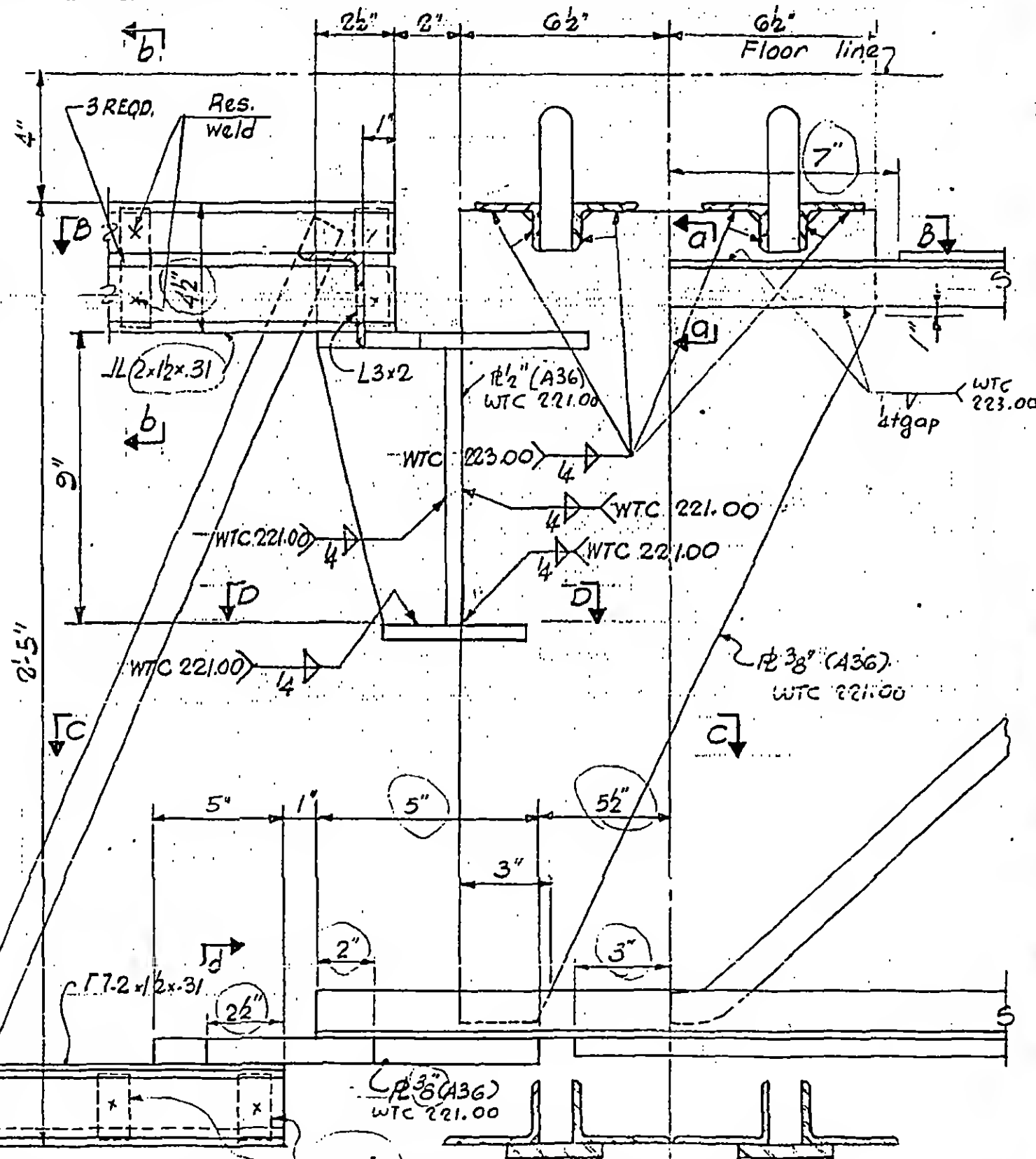
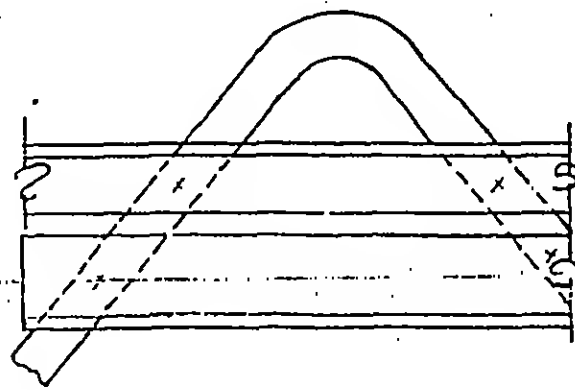
FLOOR TRUSS DETAIL E13

DATE

5-6-68

REVISIONS

7-22-68



WTC 223.00

6 @ END  
2-8

Note:

Sections B-B, C-C, D-D  
a-a, b-b & d-d see  
dwg. 7-AB4-11.1  
Section D-D: 7-AB4-11.3

2-92"  $\phi$   
Bars

Note:

Truss fabricator to  
control depth tolerance  
to produce proper fit.

7-AB4-11.2

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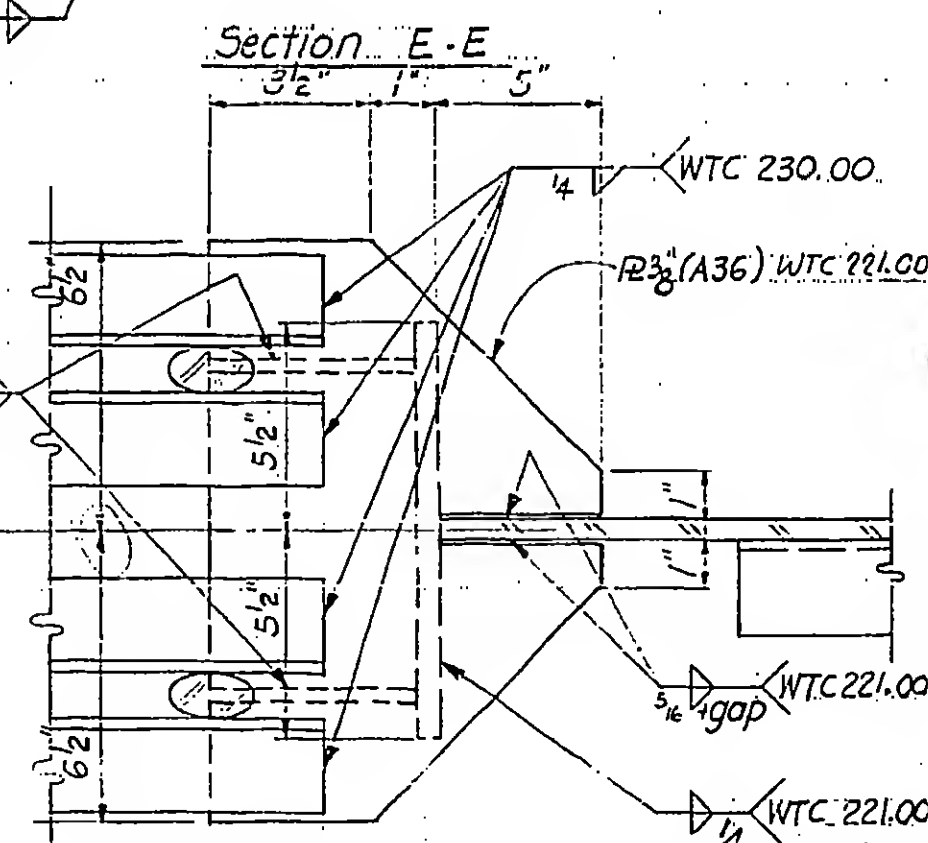
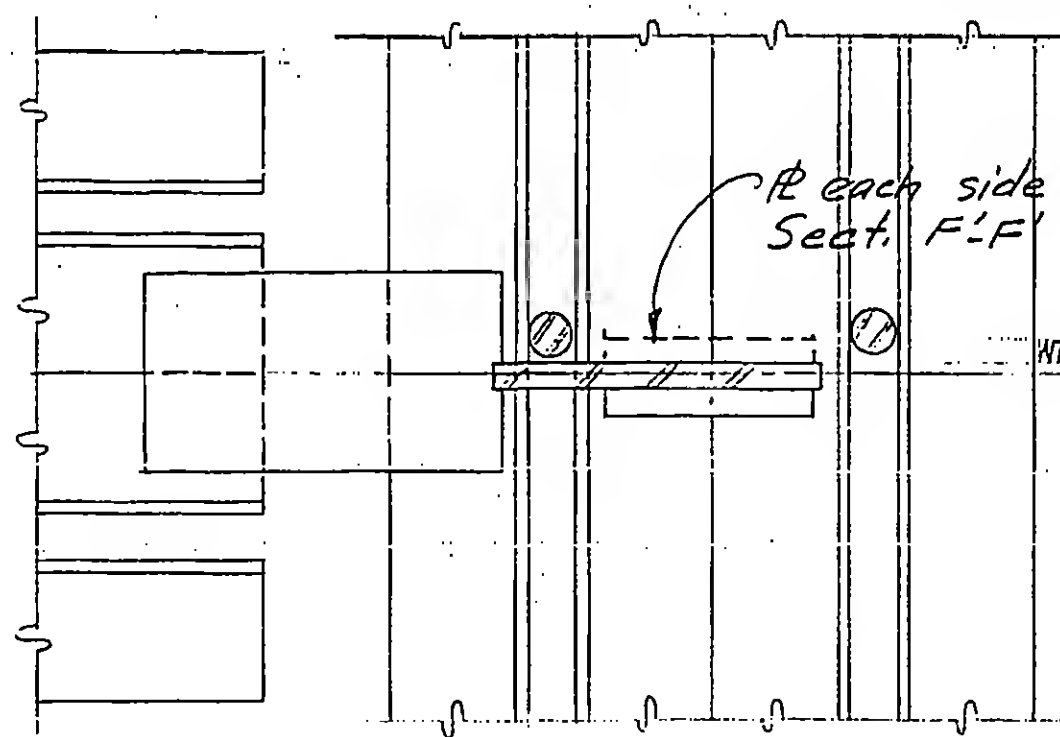
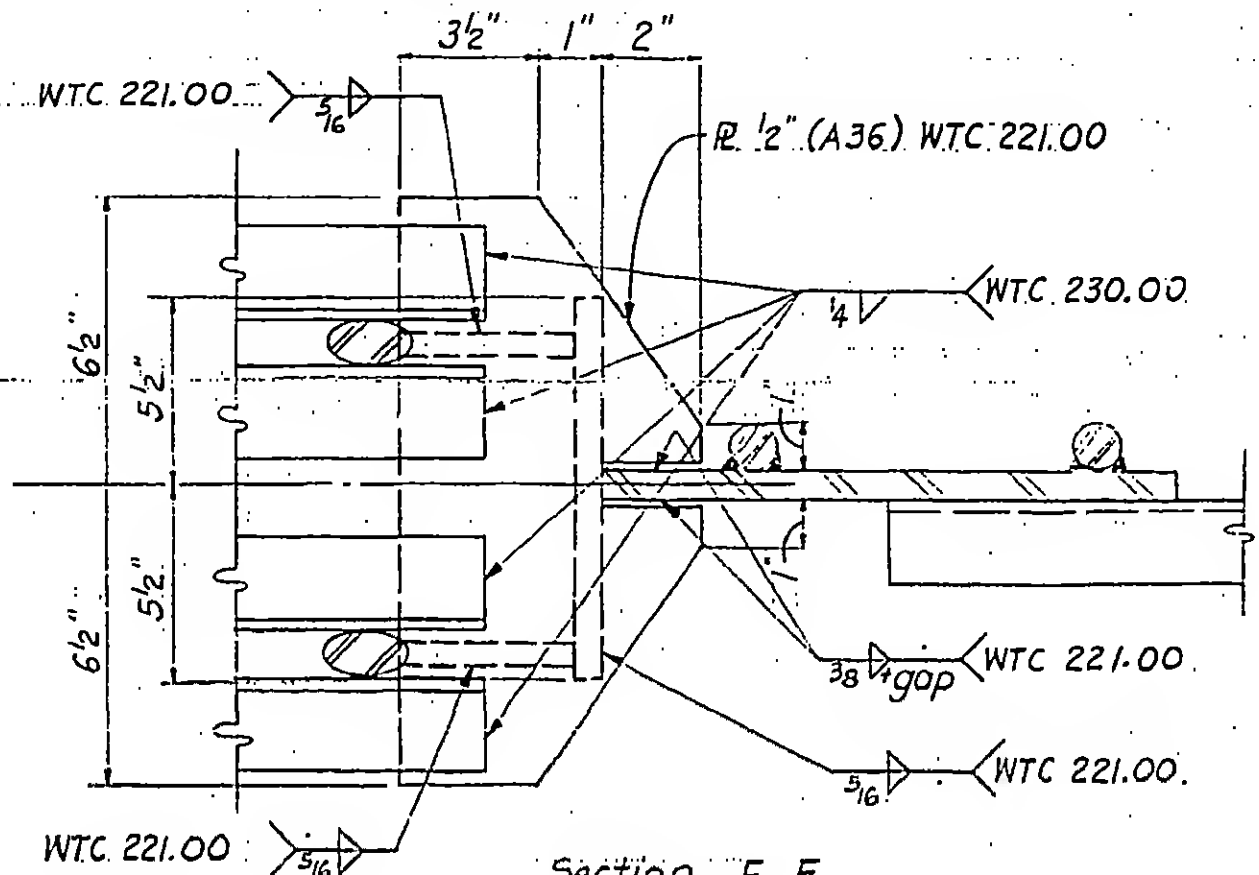
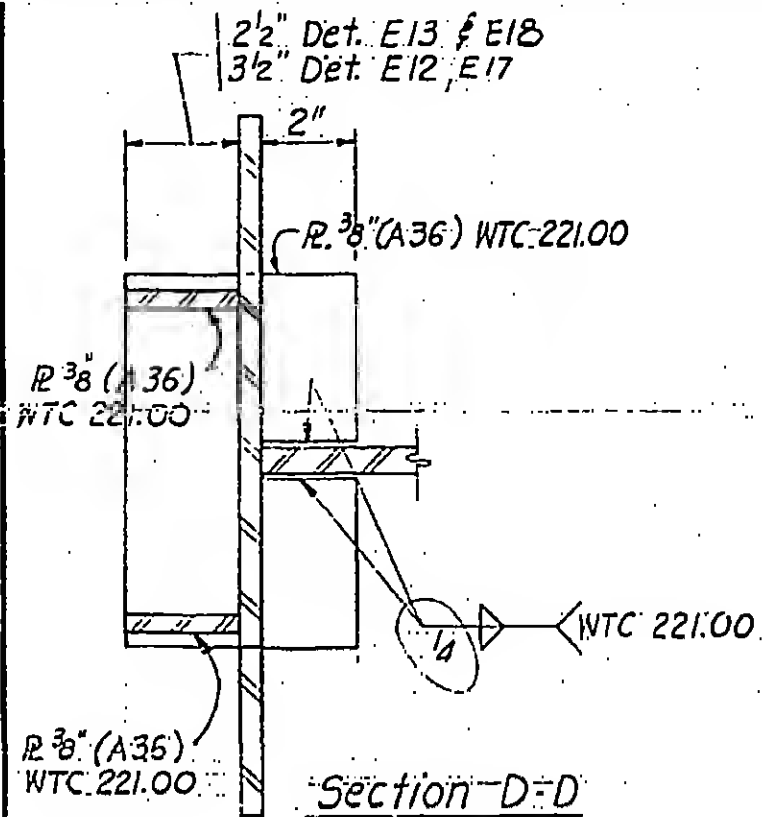
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS DETAIL E12, E13, E17, E18

DATE 5-6-68

REVISIONS

7-22-68



Section F-F  
Section F-F as noted

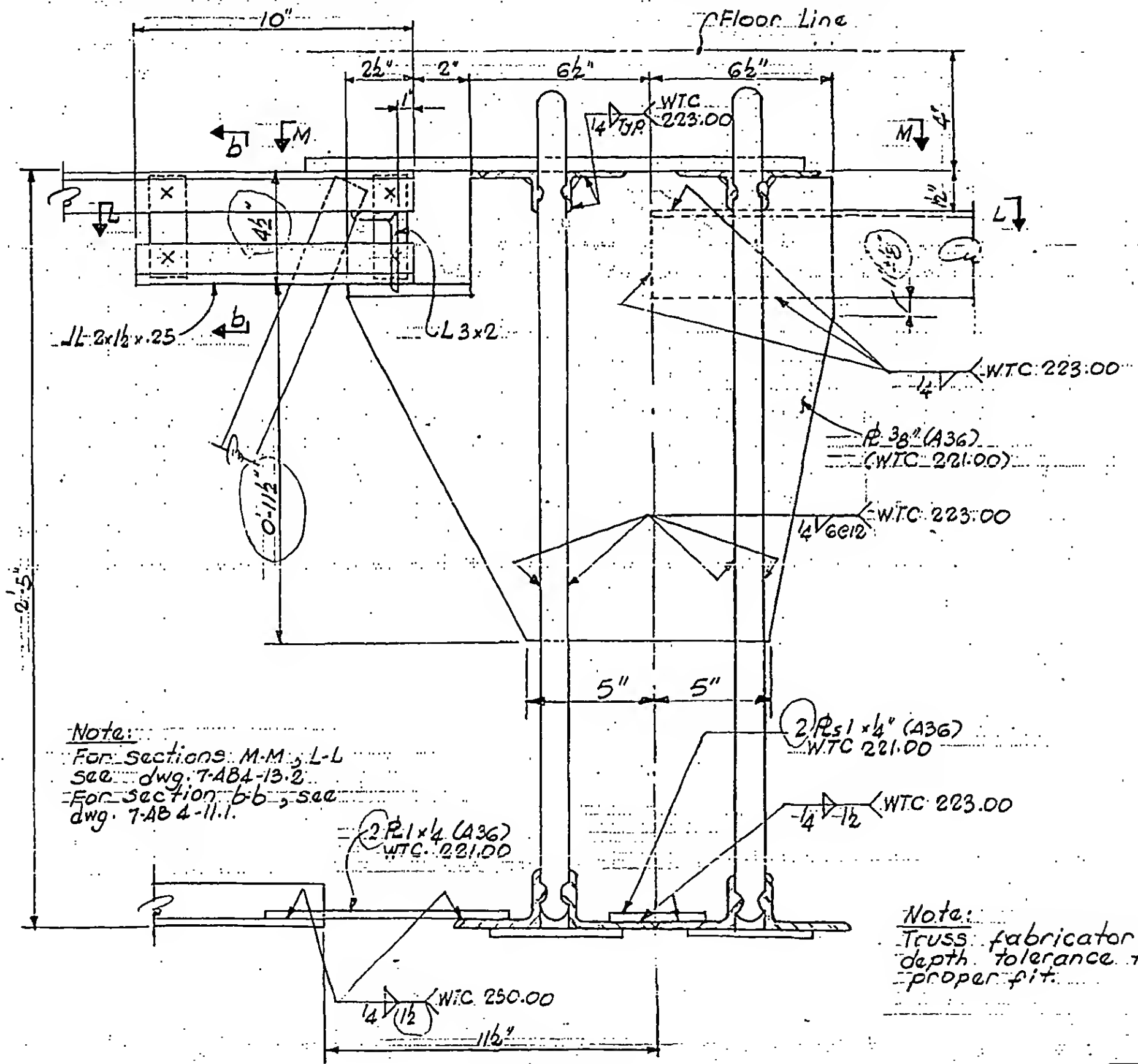
7-AB4-11.3



REVISIONS

5-6-68

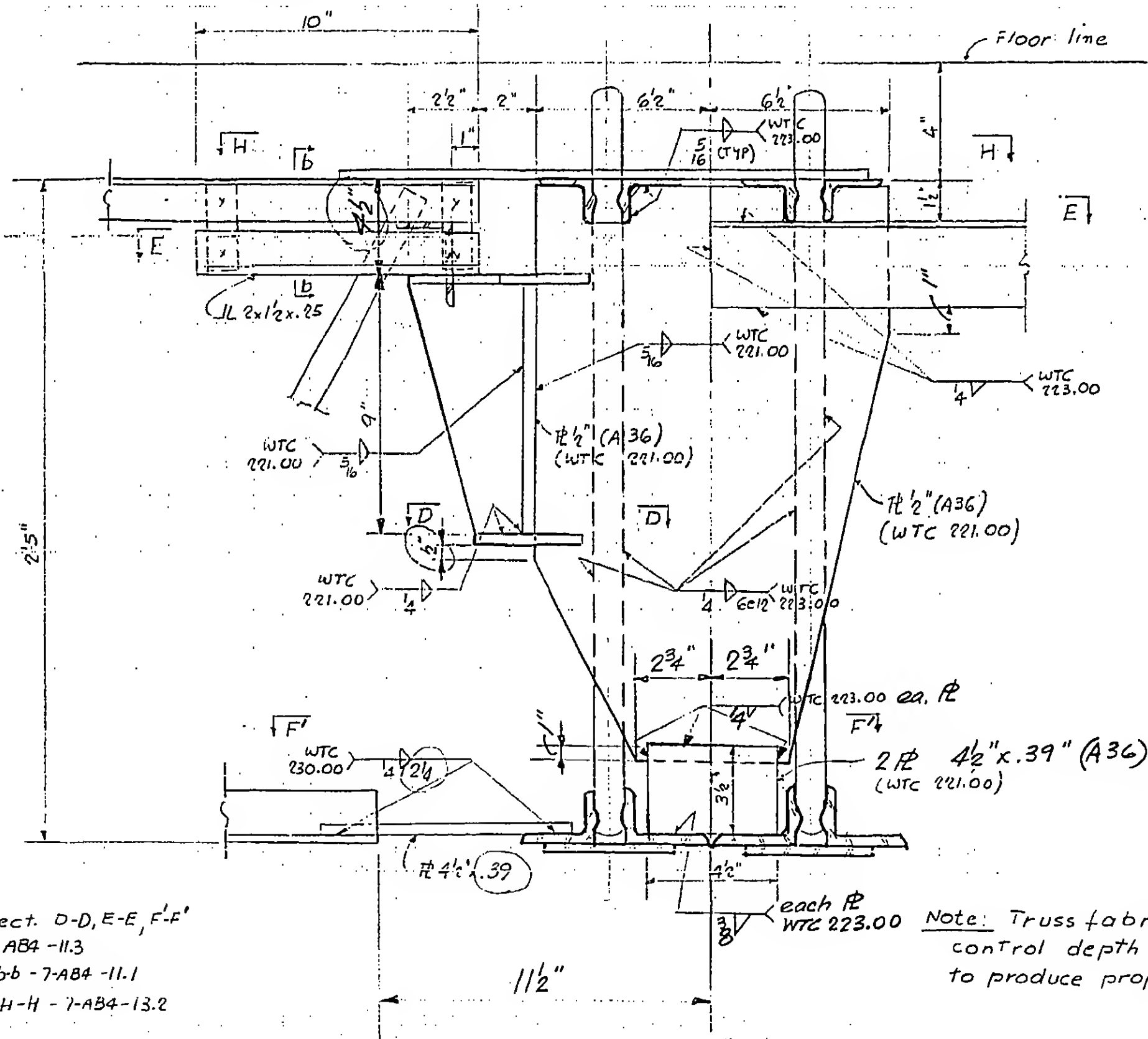
7-22-68





## REVISIONS

5-6-68  
7-22-68

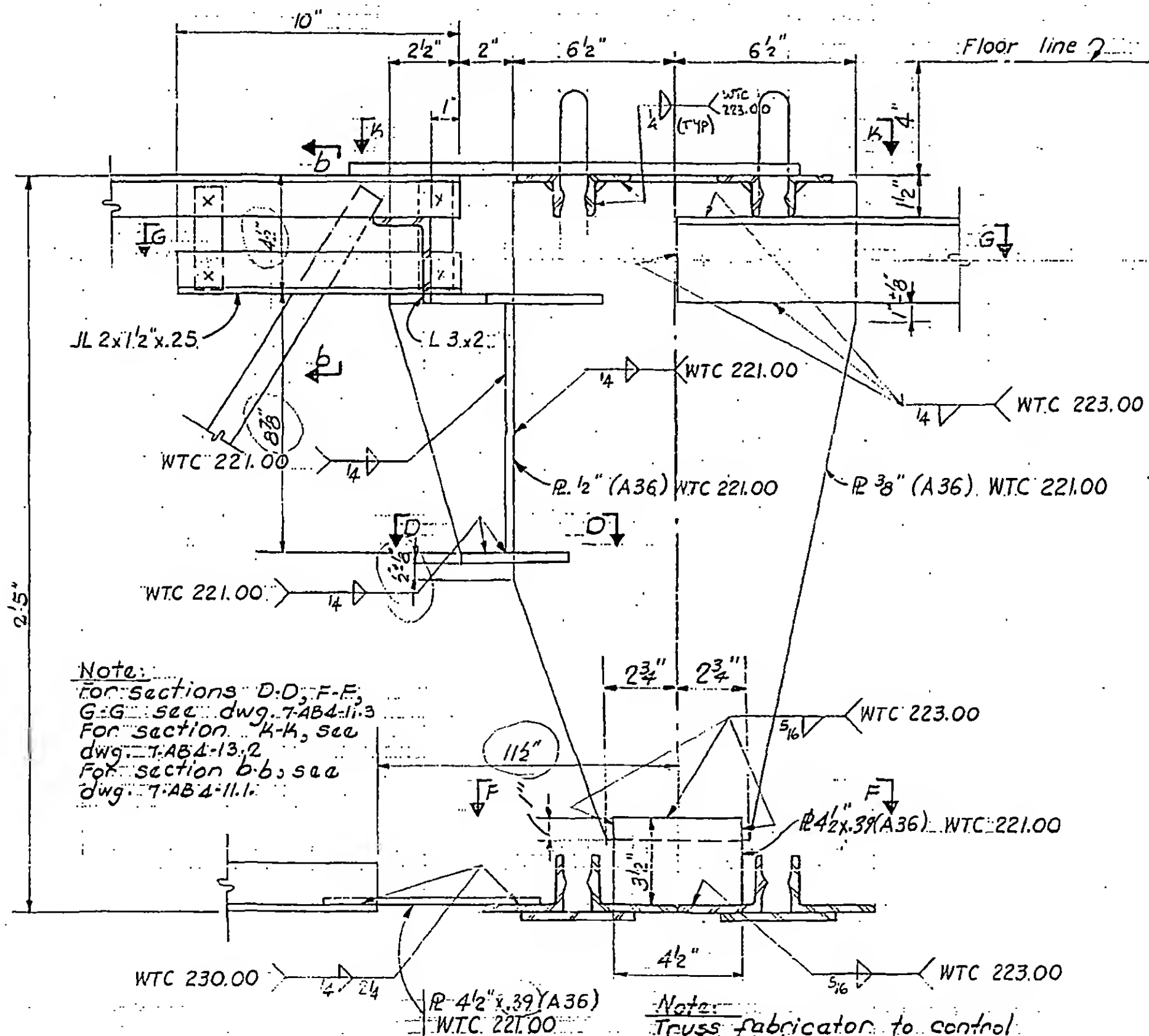


For Sect. D-D, E-E, F'-F'  
See 7-AB4 -11.3  
Sect. b-b - 7-AB4 -11.1  
Sect. H-H - 7-AB4 -13.2

Note: Truss fabricator to control depth tolerance to produce proper fit.

## REVISIONS

7-22-68



Note: Truss fabricator to control depth tolerance to produce proper fit

7-AB4-13.1





PROJECT THE WORLD TRADE CENTER

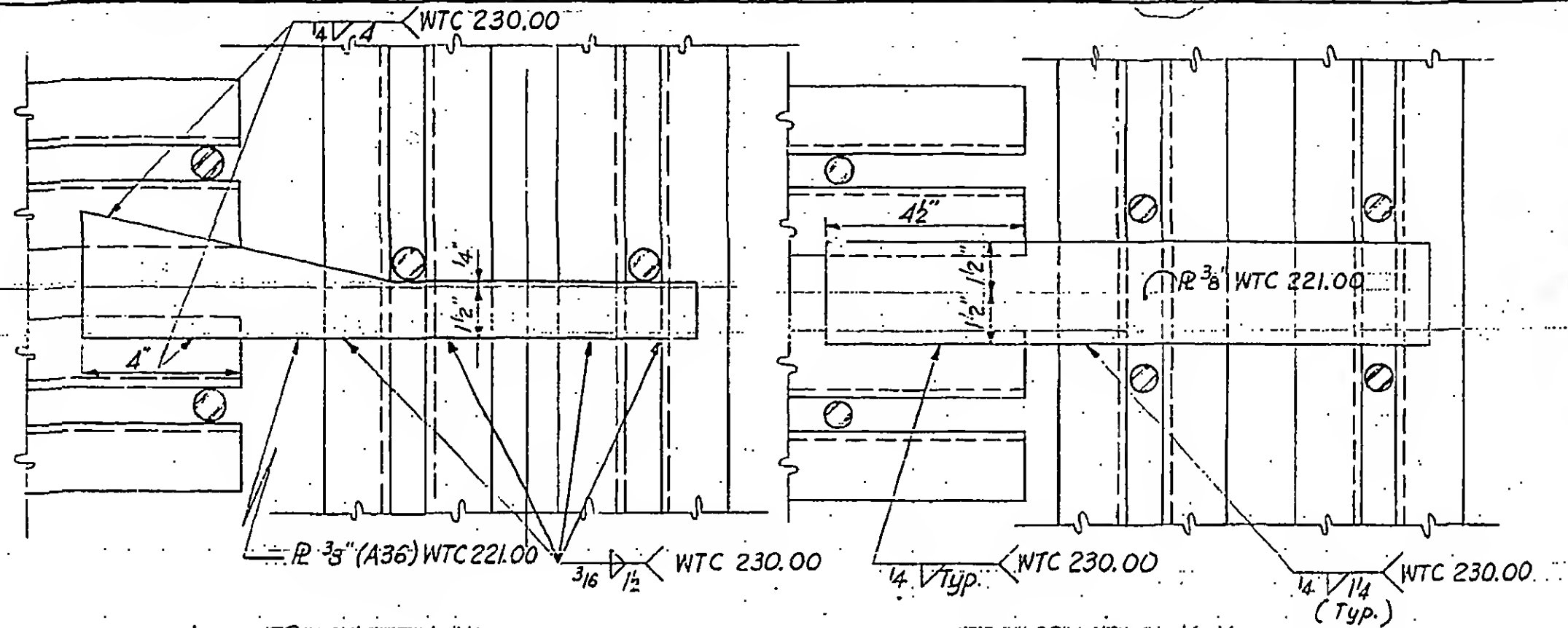
TITLE FLOOR TRUSSES DETAILS E17, E18, (E16)

DATE 5-6-68

## REVISIONS

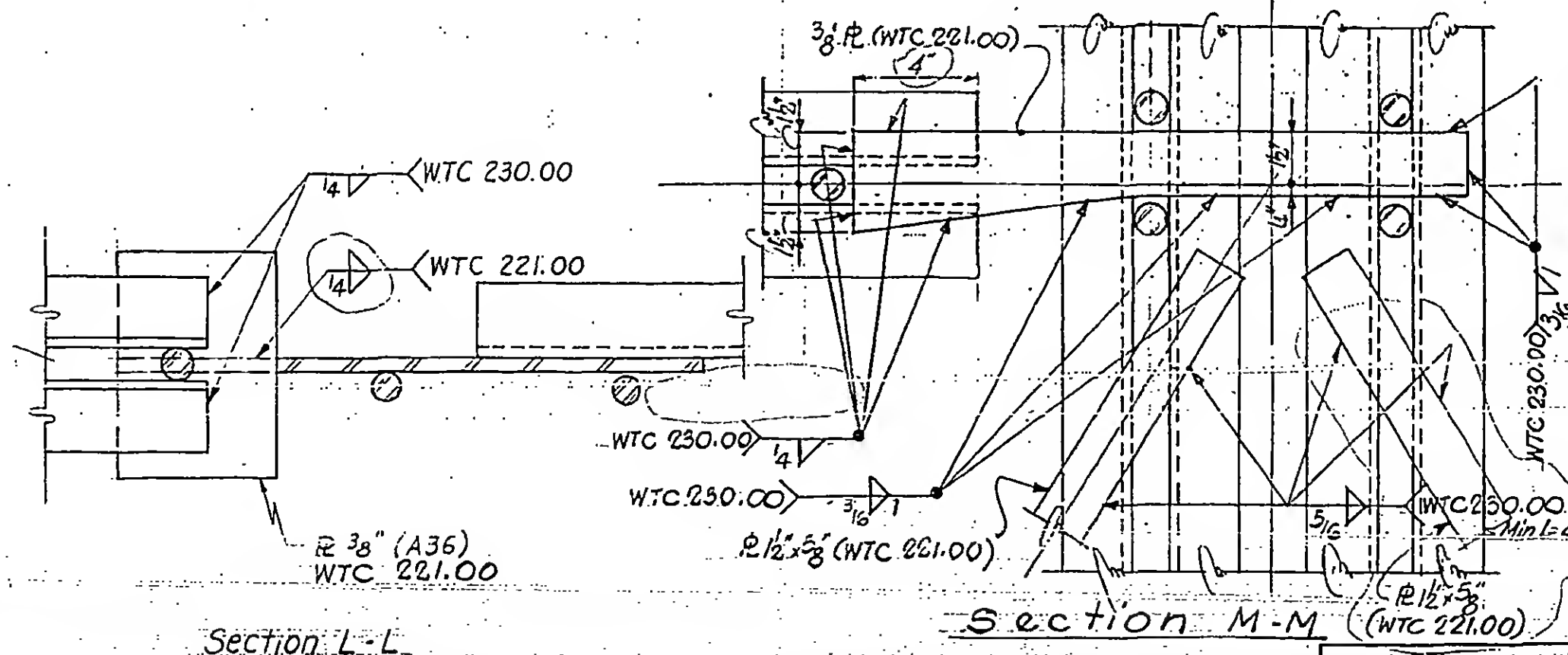
7-22-68

10-15-68



Section H-H

Section K-K



Section L-L

Section M-M

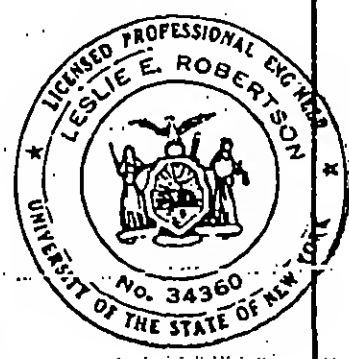
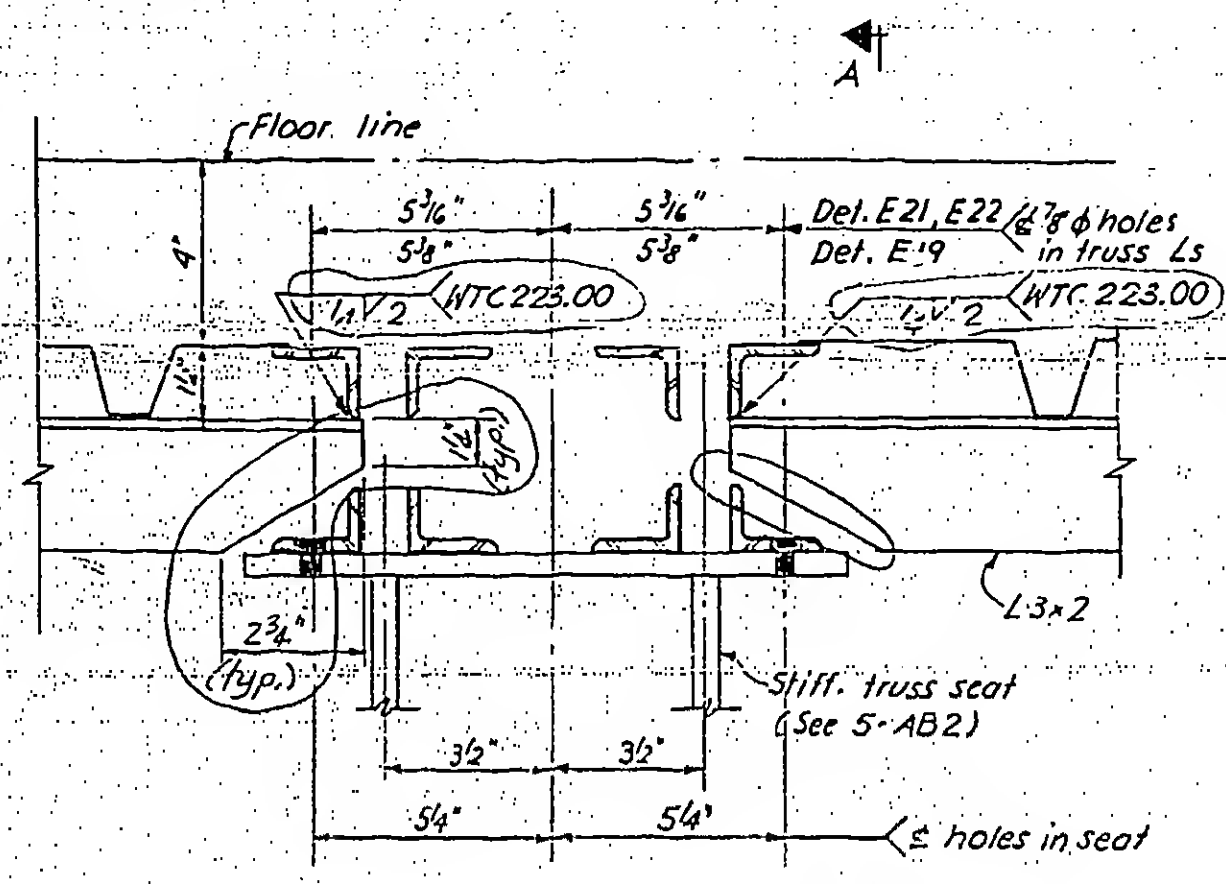
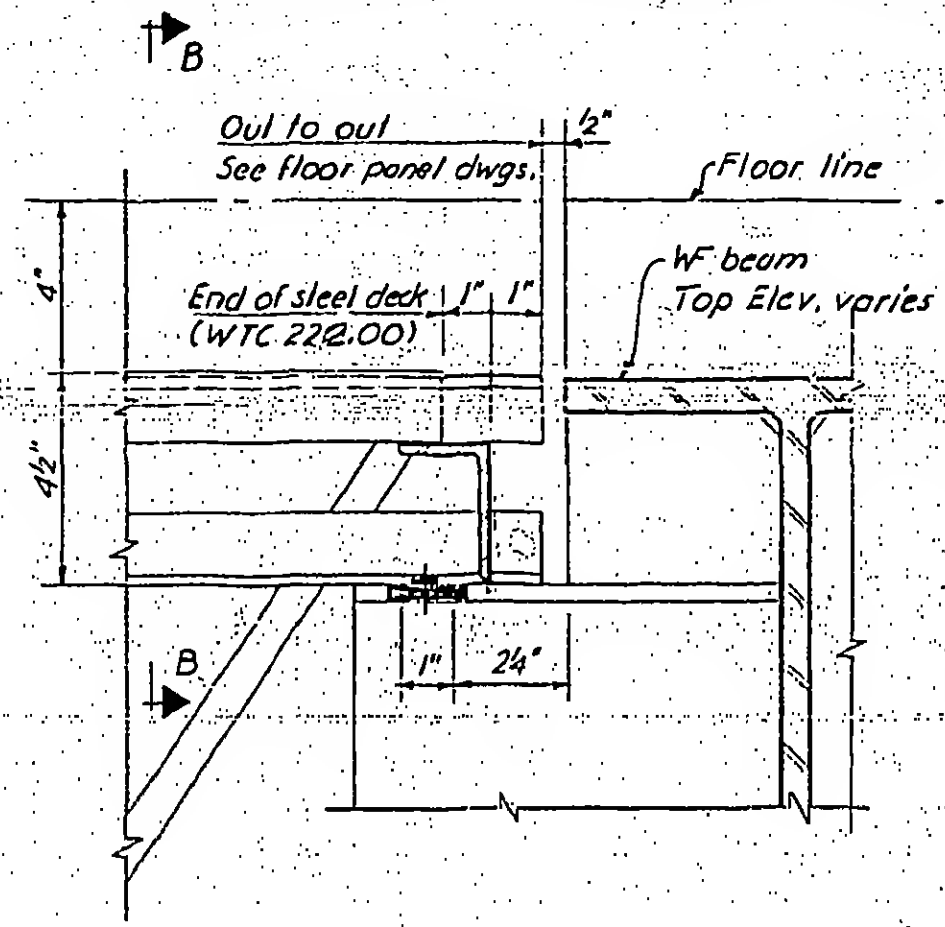
(WTC 221.00)

7-AB4-13.2





REVISIONS  
10-15-68



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Structural &amp; Civil Engineers

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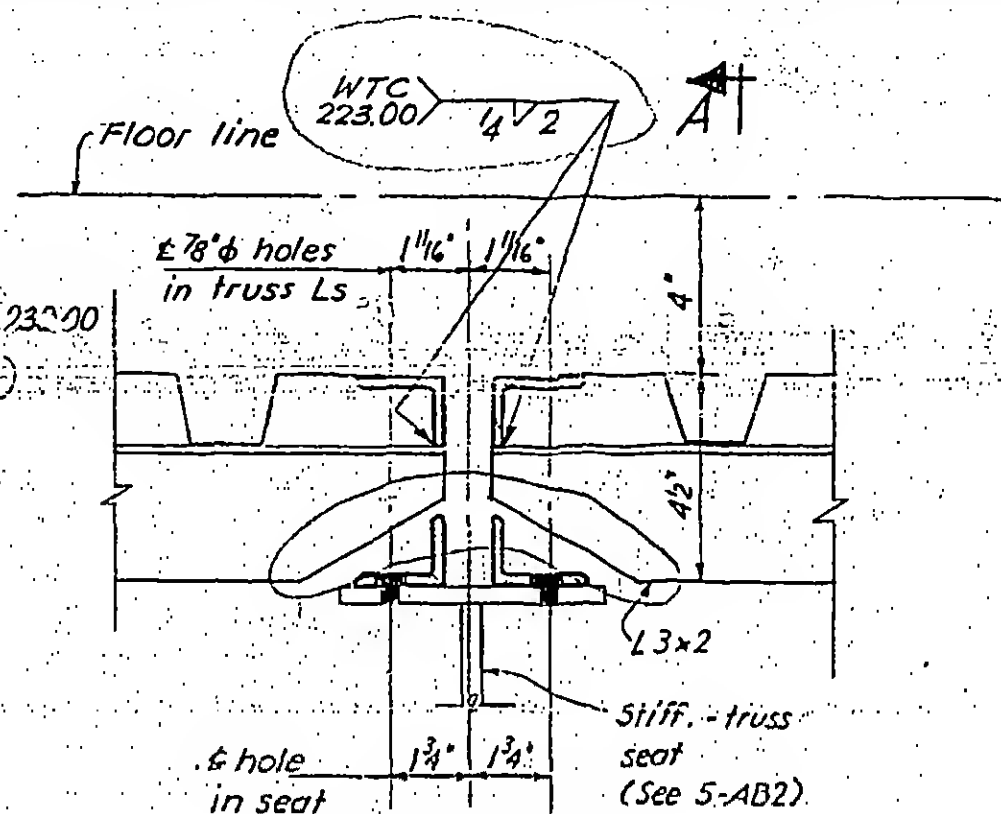
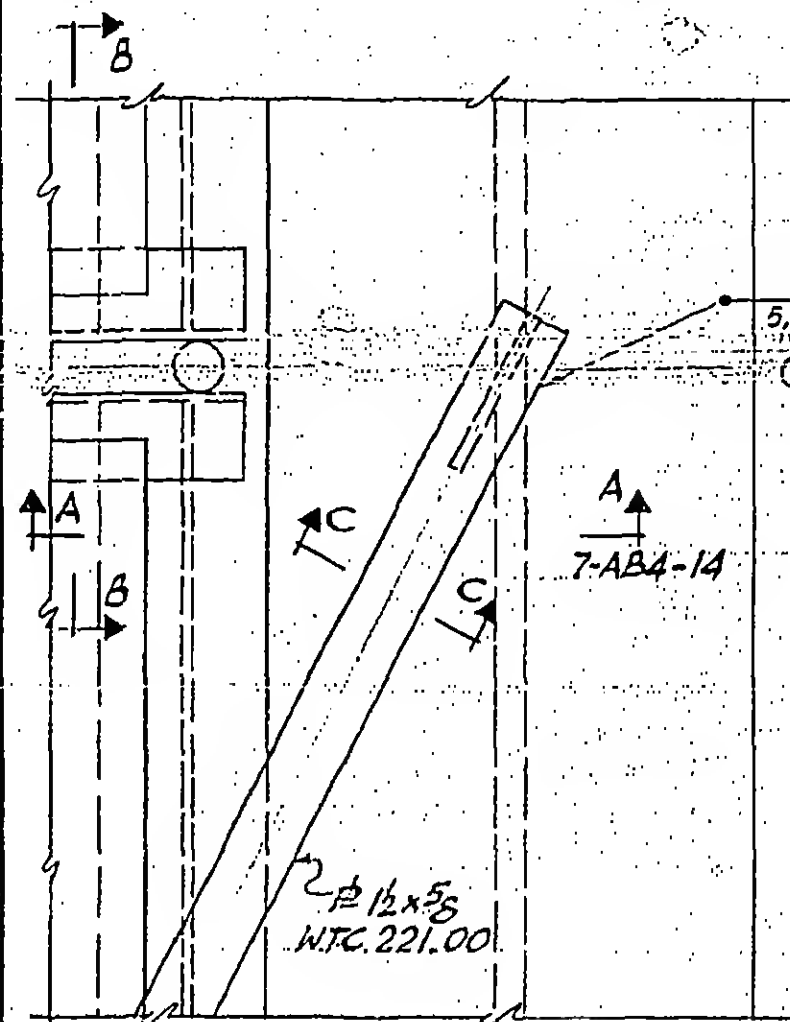
TITLE FLOOR PANEL DETAIL E20

DATE 1-3-68

## REVISIONS

7-22-68

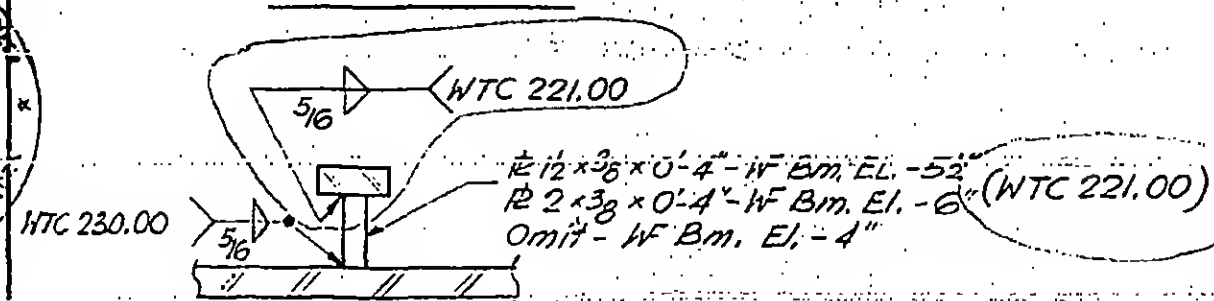
10-15-68



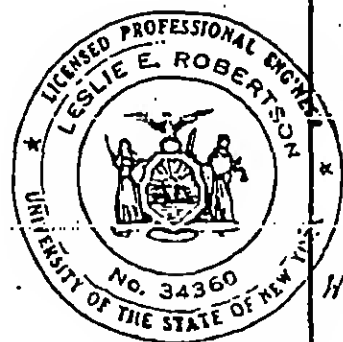
Section B-B

7-AB4-14

PLAN



Section C-C



7-AB4-14.1

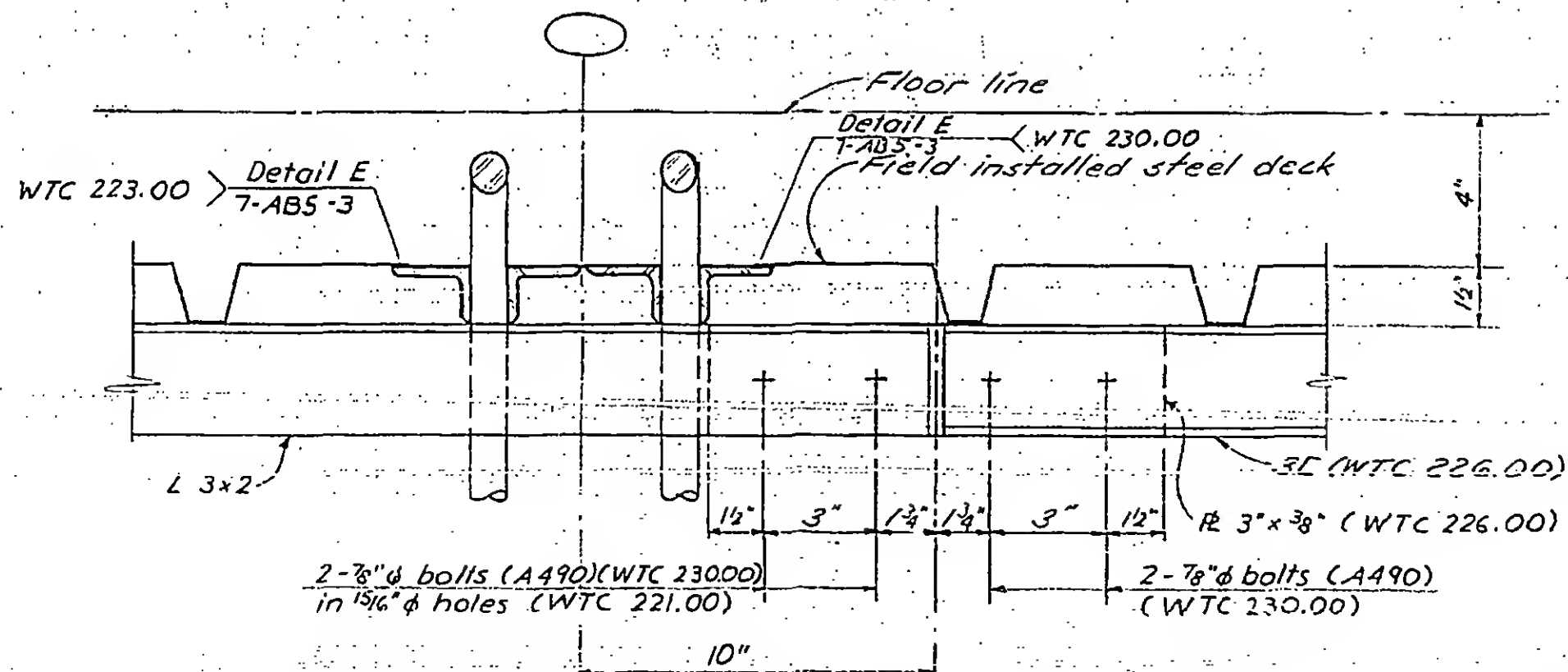
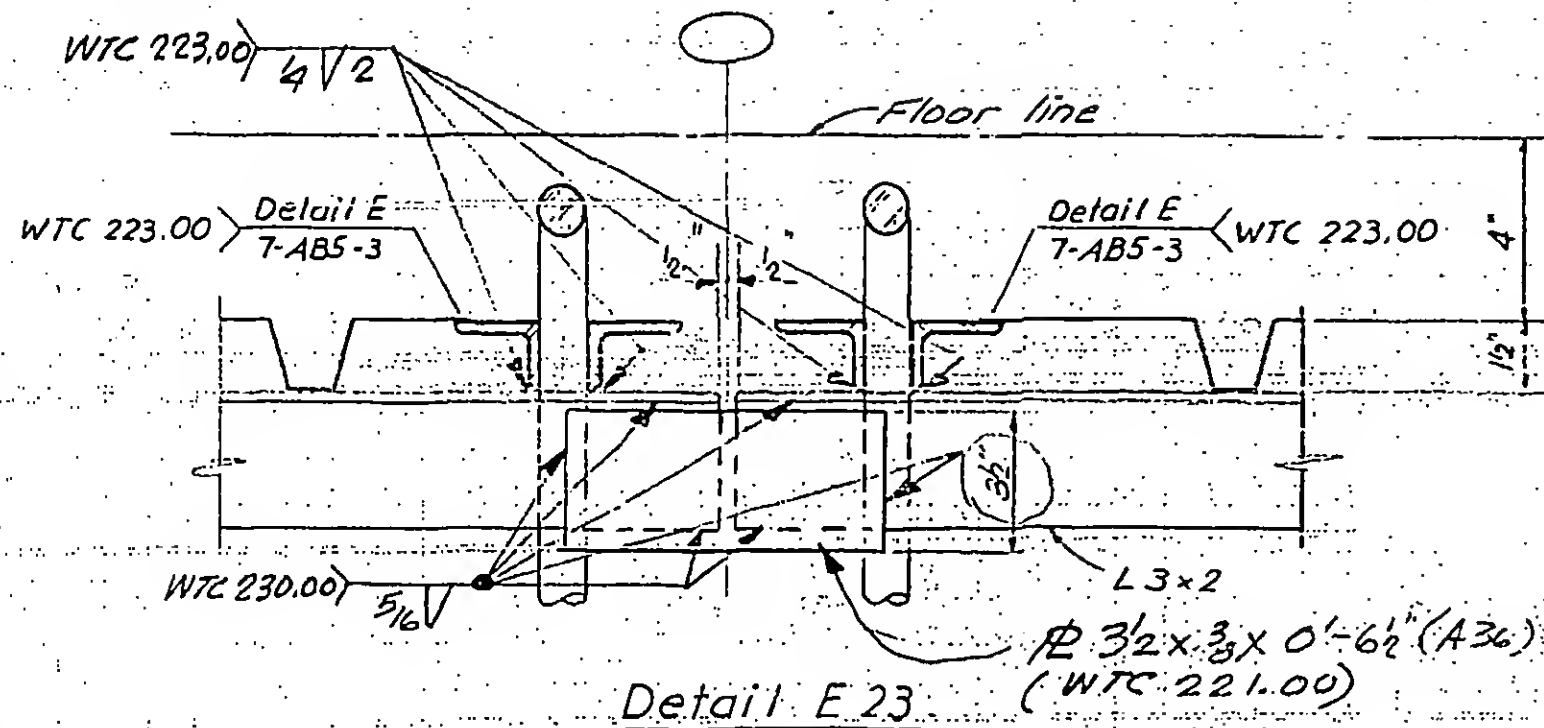
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E23 &amp; E24

DATE 10-27-67

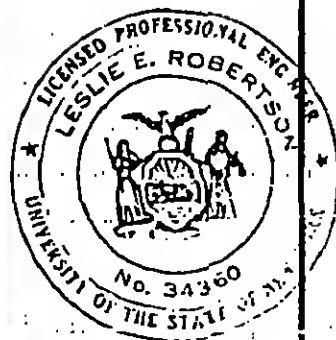
## REVISIONS

1-3-68  
5-6-68  
7-22-68



Detail E 24

7-AB4-15



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

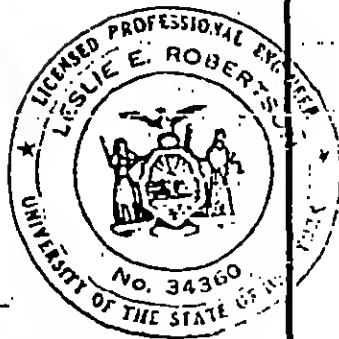
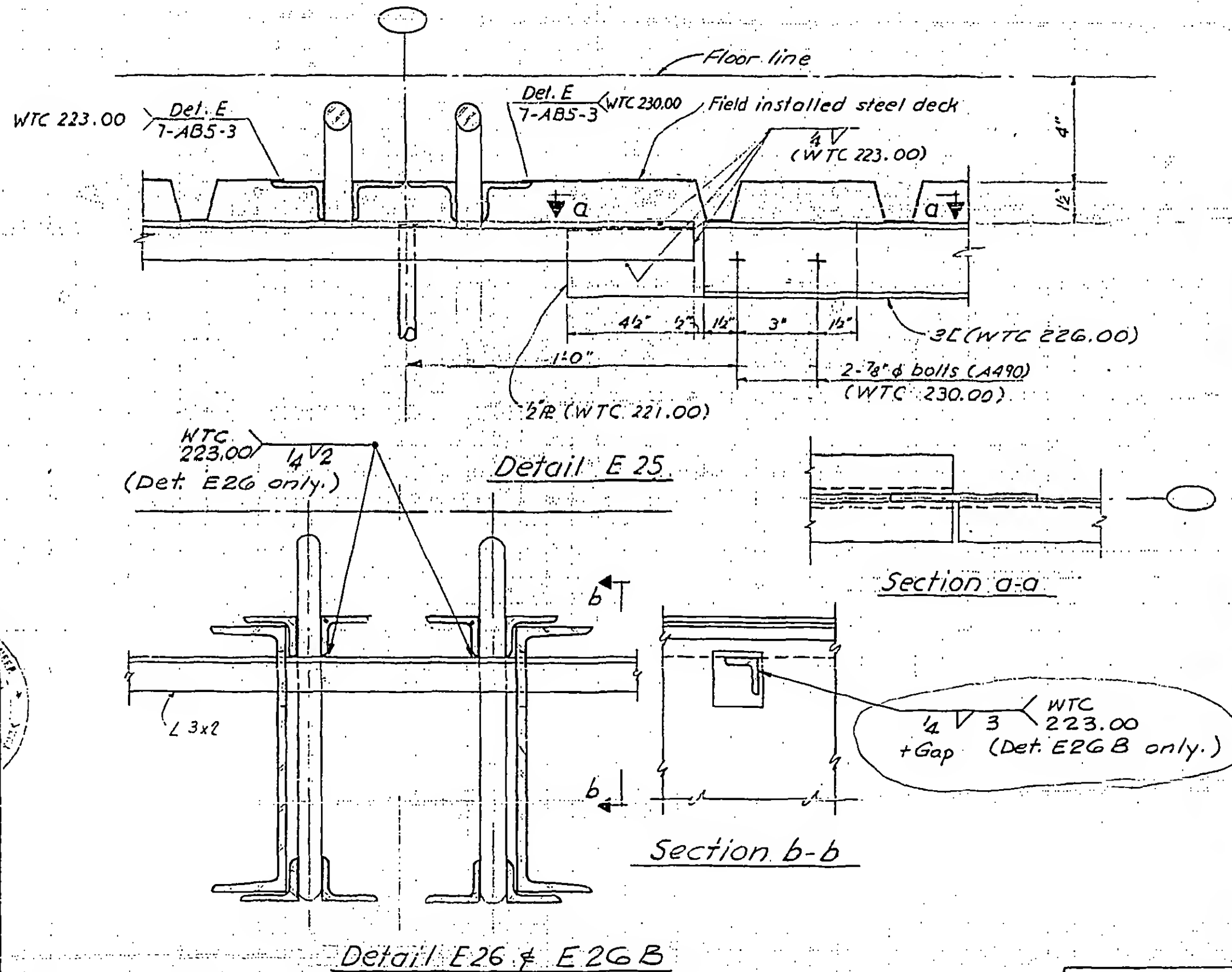
TITLE FLOOR PANEL-DETAIL E 26 & E 26 B

DATE 10-27-67

REVISIONS

8-1-68

10-4-68



SKILLING, HELLE. CHRISTIANSEN. ROBERTSON

Structural &amp; Civil Engineers

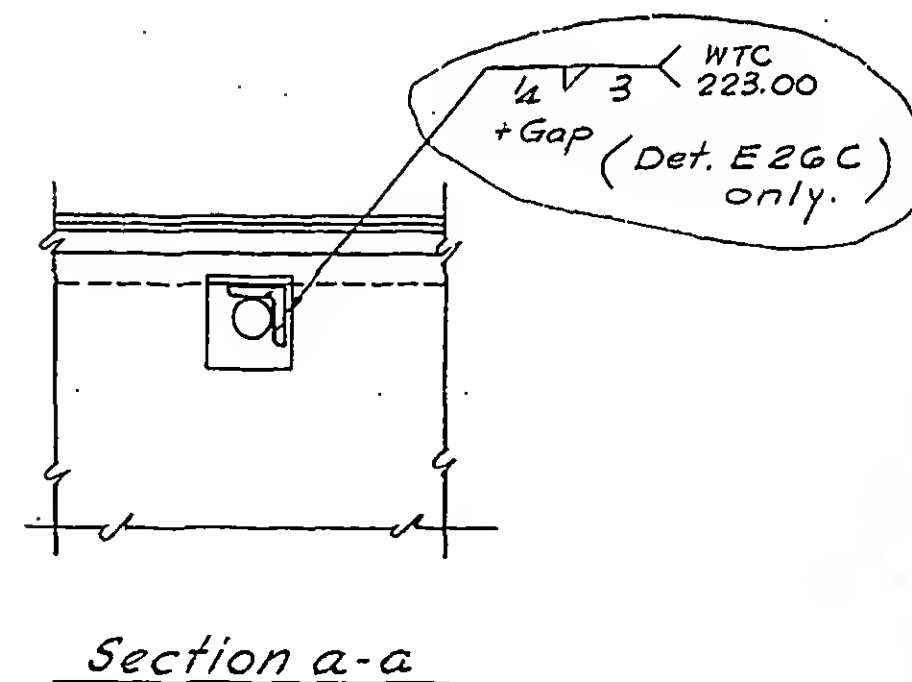
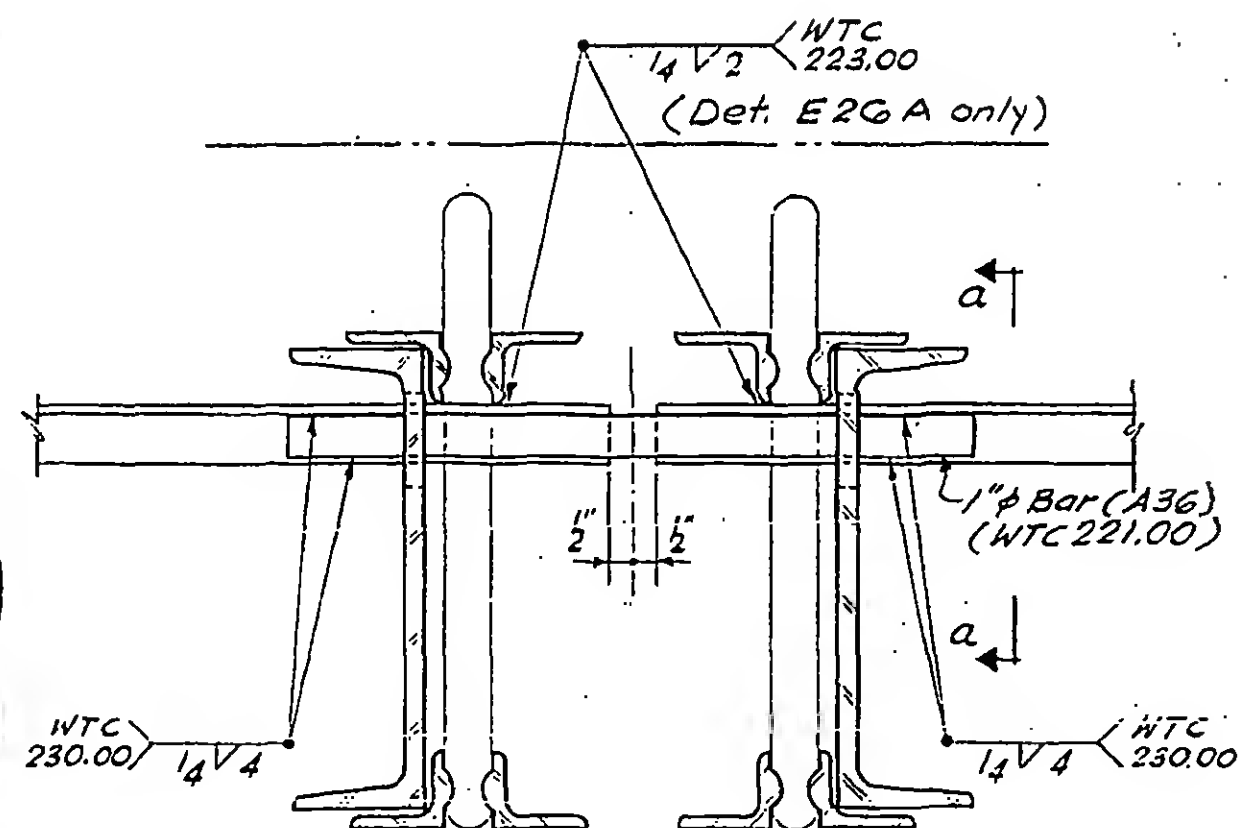
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 26 A &amp; E 26 C

DATE 8-1-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4-15.2



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

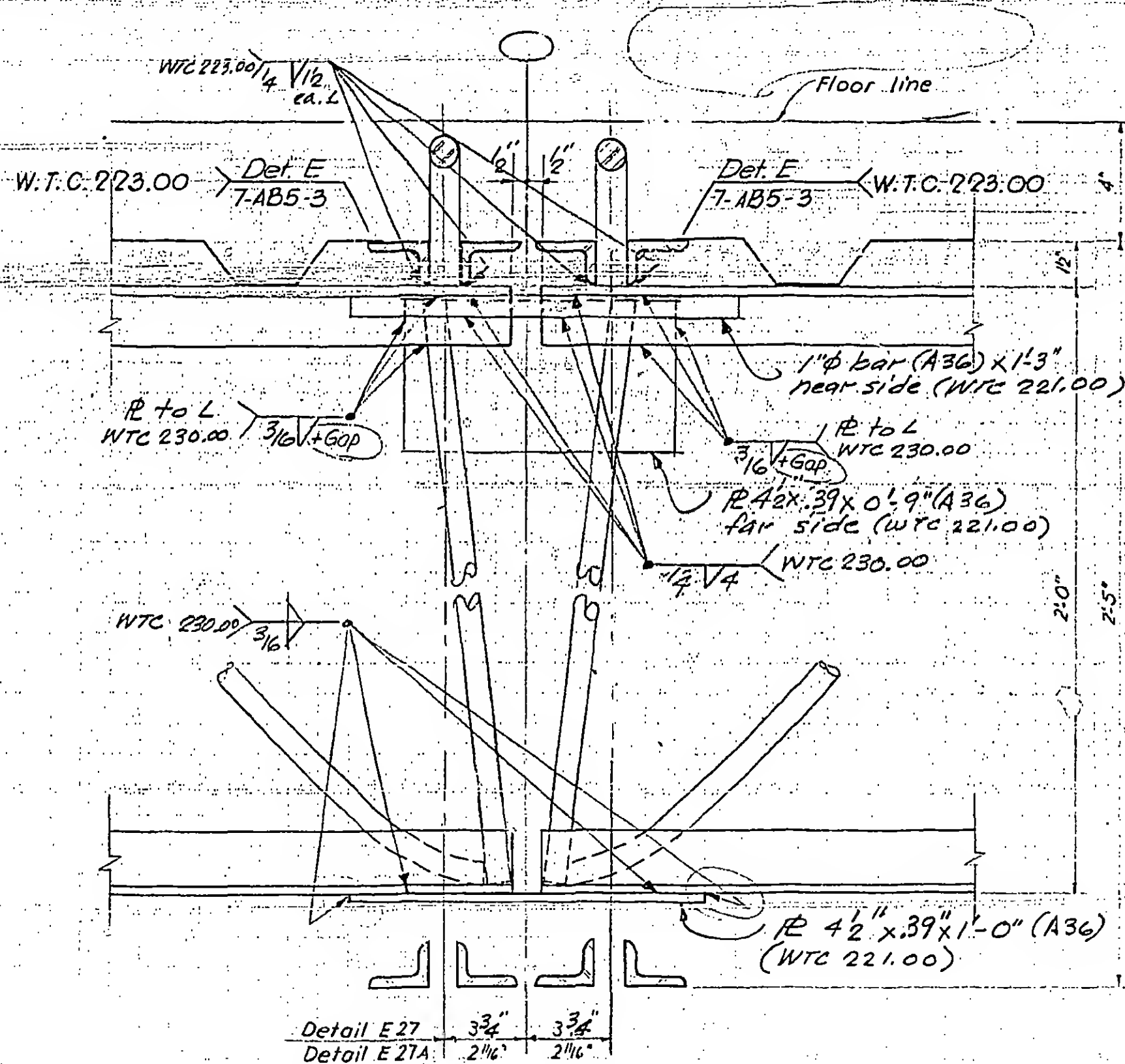
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E27, E27A

DATE 10-20-67

## REVISIONS

1-3-68  
5-6-68  
7-22-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

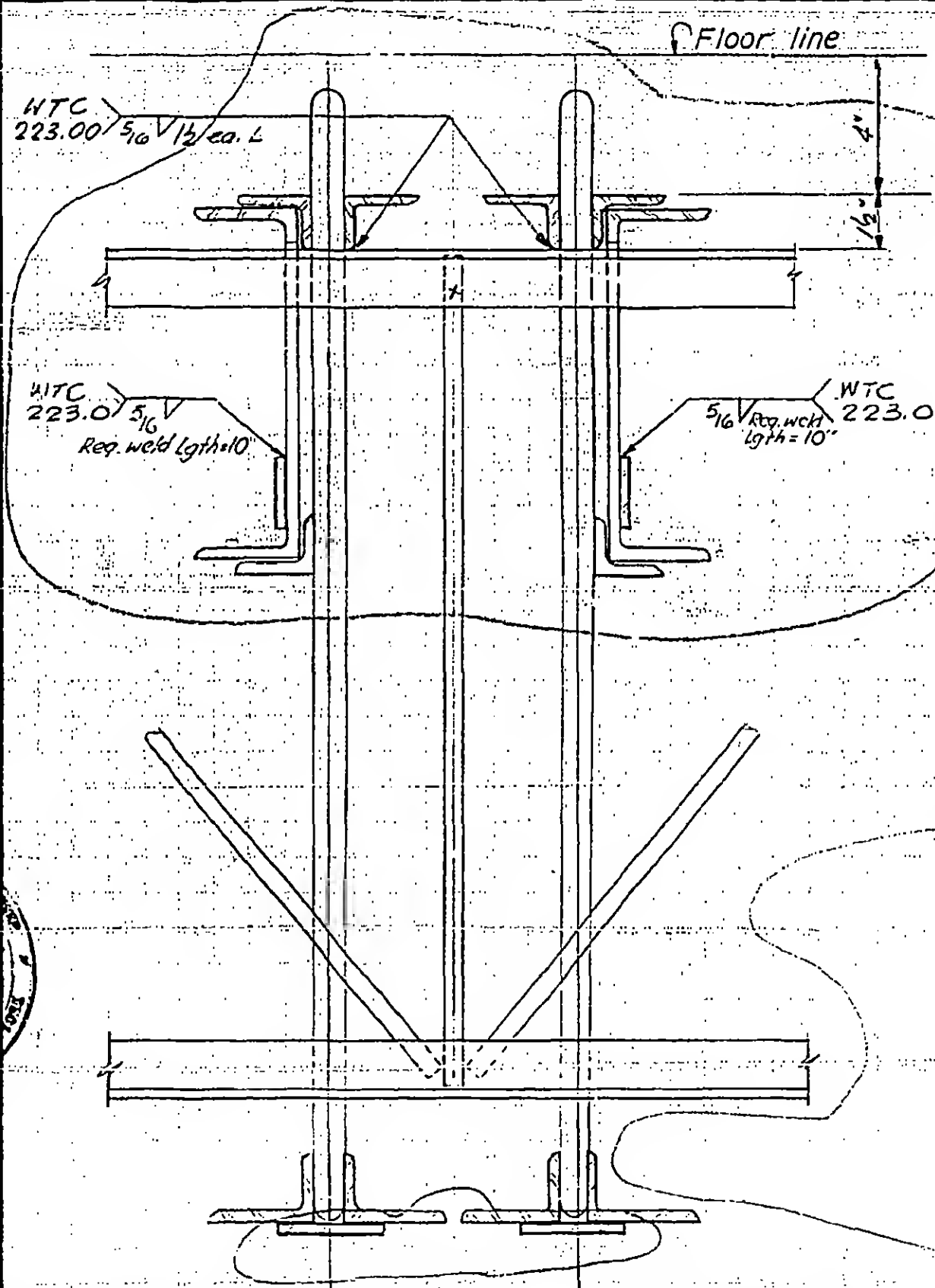
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 28

DATE 1-3-68

## REVISIONS

8-1-68  
8-15-68  
10-4-68



7-AB4-17

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

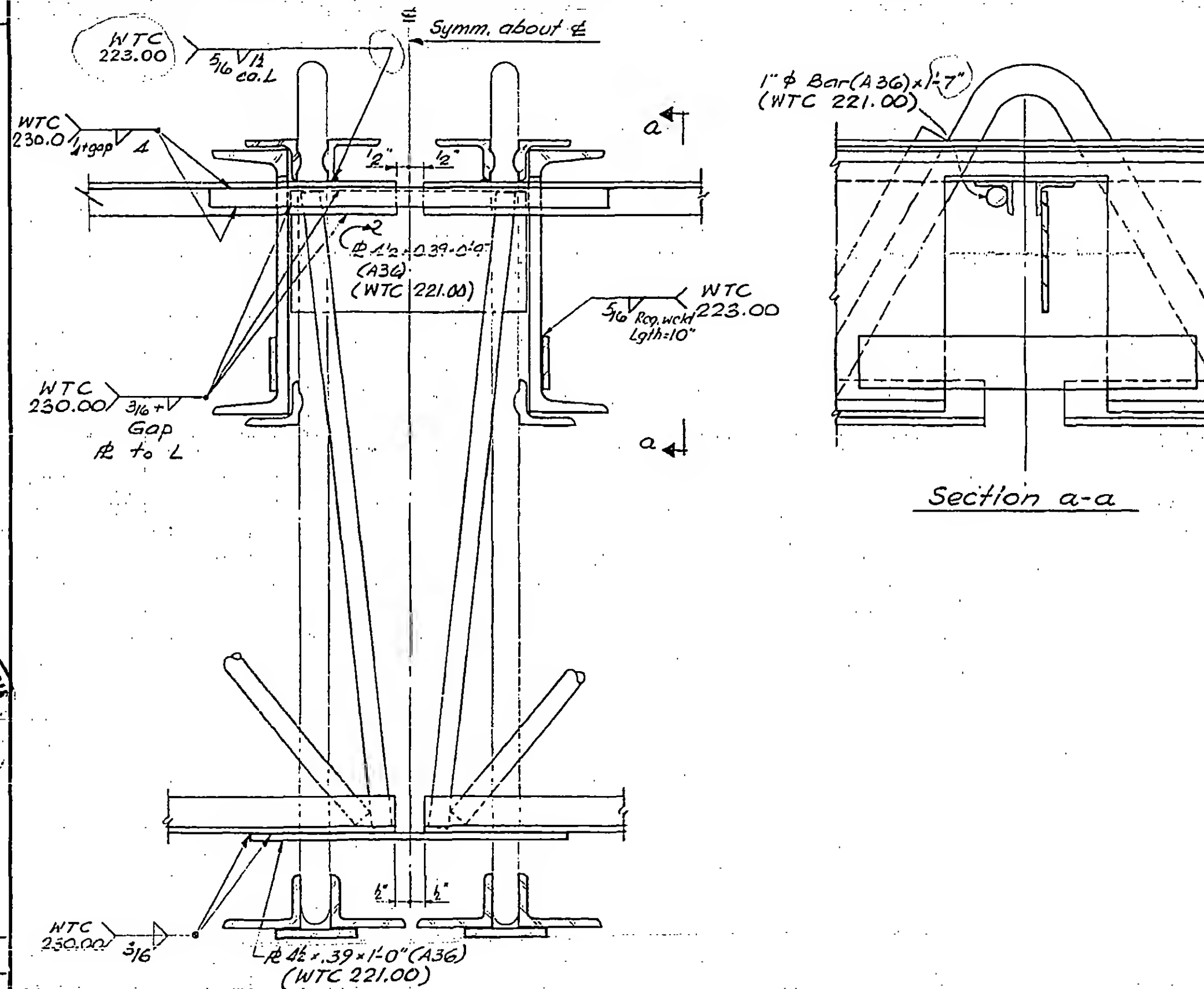
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 28 A

DATE 8-1-68

## REVISIONS

8-15-68  
10-4-68

DESIGNED

DRAWN

REVIEWED

7-AB4-17.1

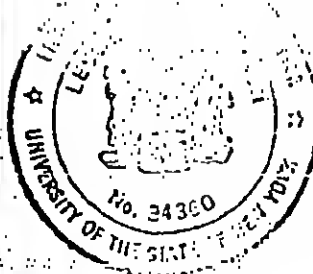
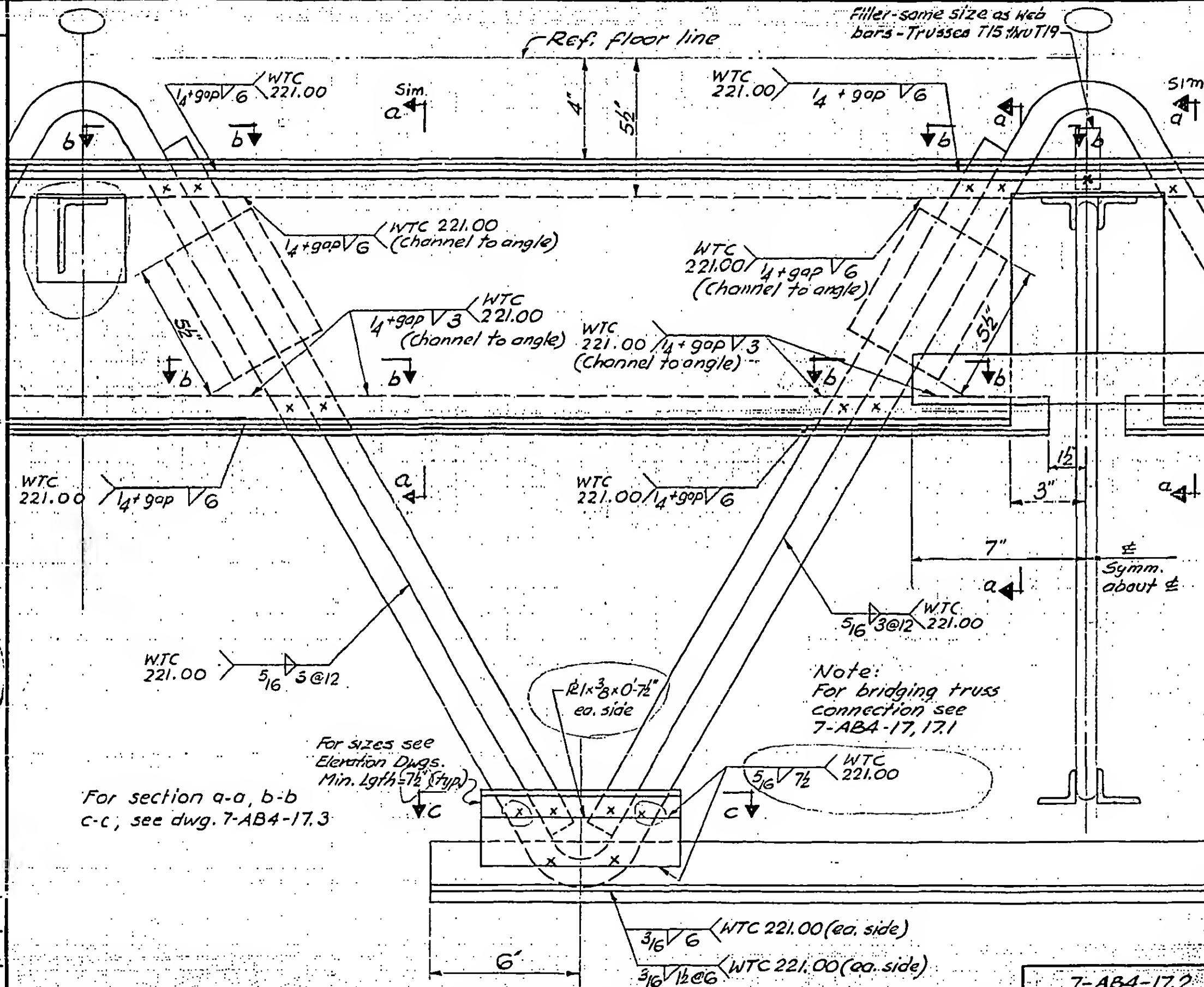
## Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E28, E28A, E28B, E26D

## REVISIONS

10-4-68

12-20-68



**DESIGNED**

**DRAWN**

REVIEWED

7-AB4-17.2

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural &amp; Civil Engineers

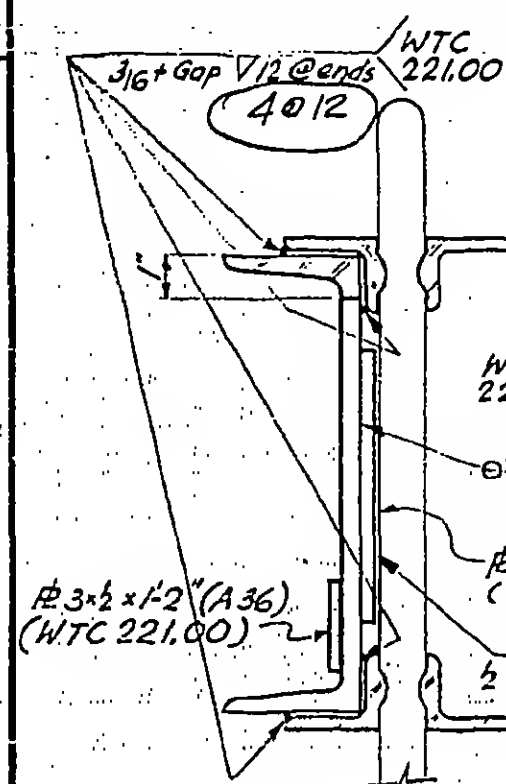
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E28, E28A, E28B, E28C, E28D

DATE 8-1-68

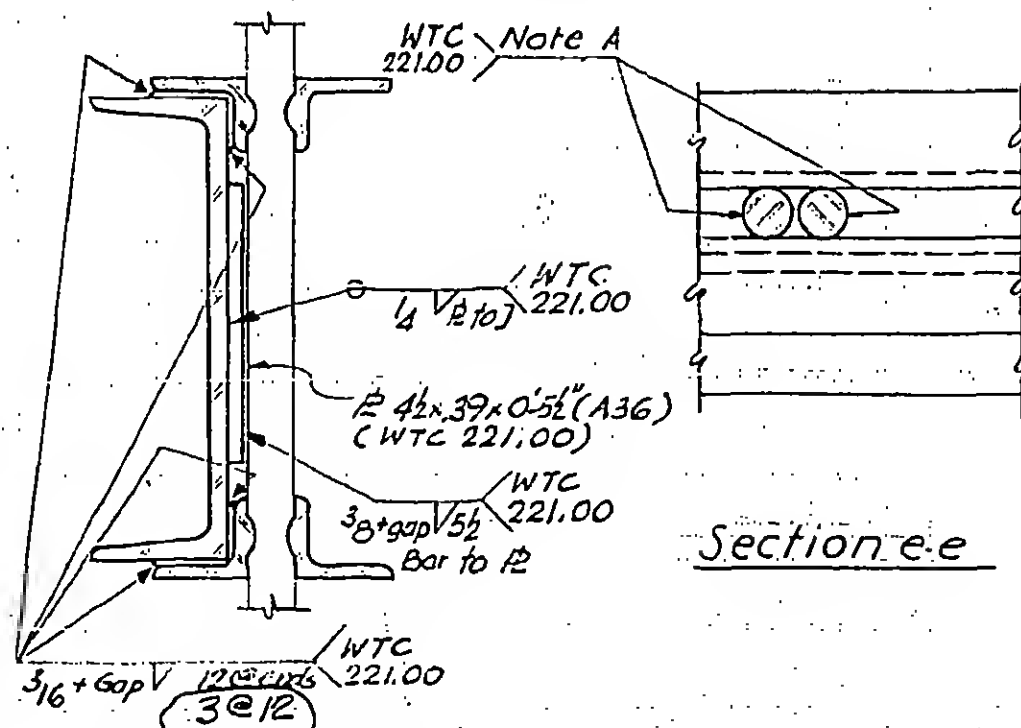
## REVISIONS

8-15-68  
10-4-68  
7-28-70



Section a-a

Note: For additional 1 to 7 welding  
see detail E28, E28A, E28B, E28D, 7-AB4-17

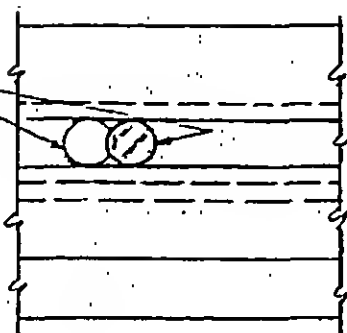


Section d-d

Note: For additional 1 to 7 welding  
see detail E28C 7-AB4-17.5

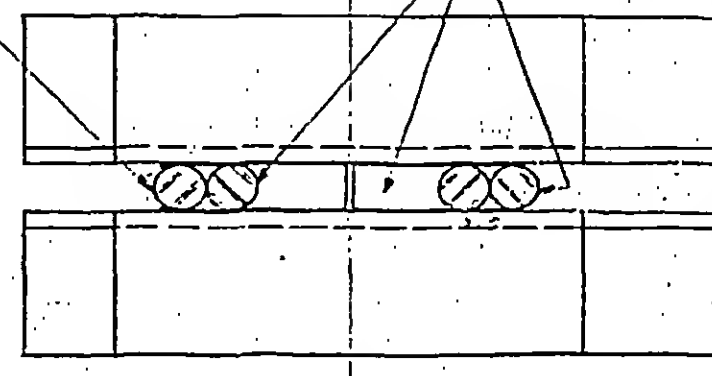
Note A: Add arc welding as reqd. to  
develop full strength of web  
bars.

WTC 221.00  
Note A



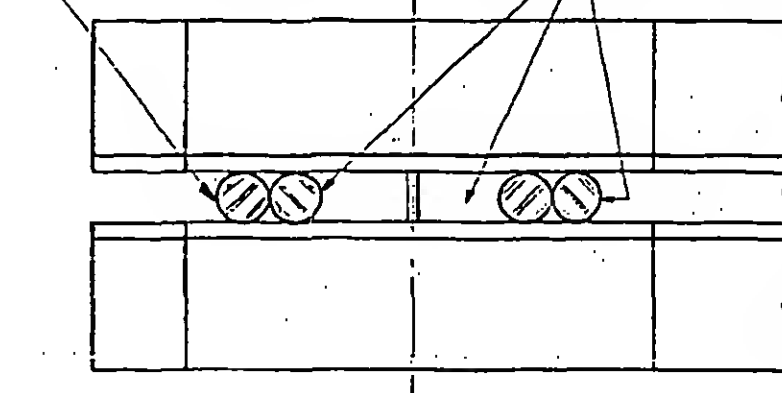
Section b-b

Note A W.T.C.  
221.00

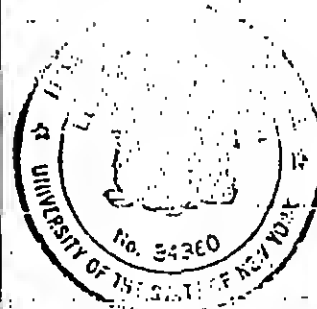


Section c-c

Note A WTC  
221.00



Section f-f



DESIGNED

DRAWN

REVIEWED

7-AB4-17.3



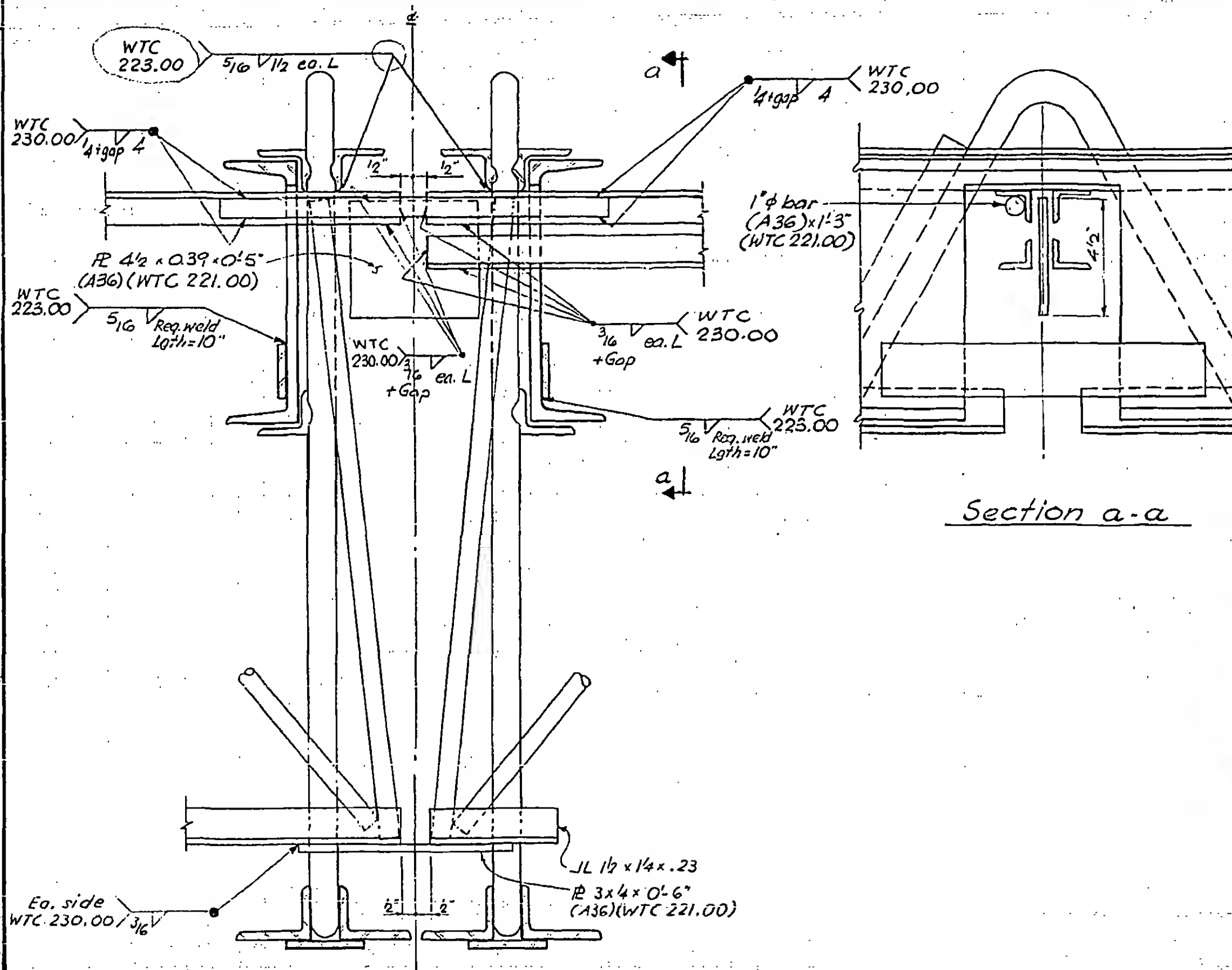
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 28 B

DATE 8-1-68

## REVISIONS

8-15-68  
10-4-68



Section a-a



**DESIGNED**

**BEATN**

REVIEWED

7-AB4-17.4

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

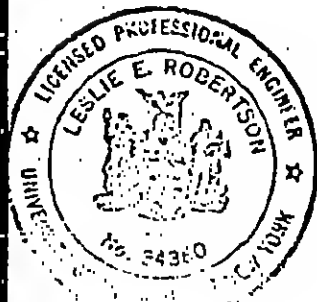
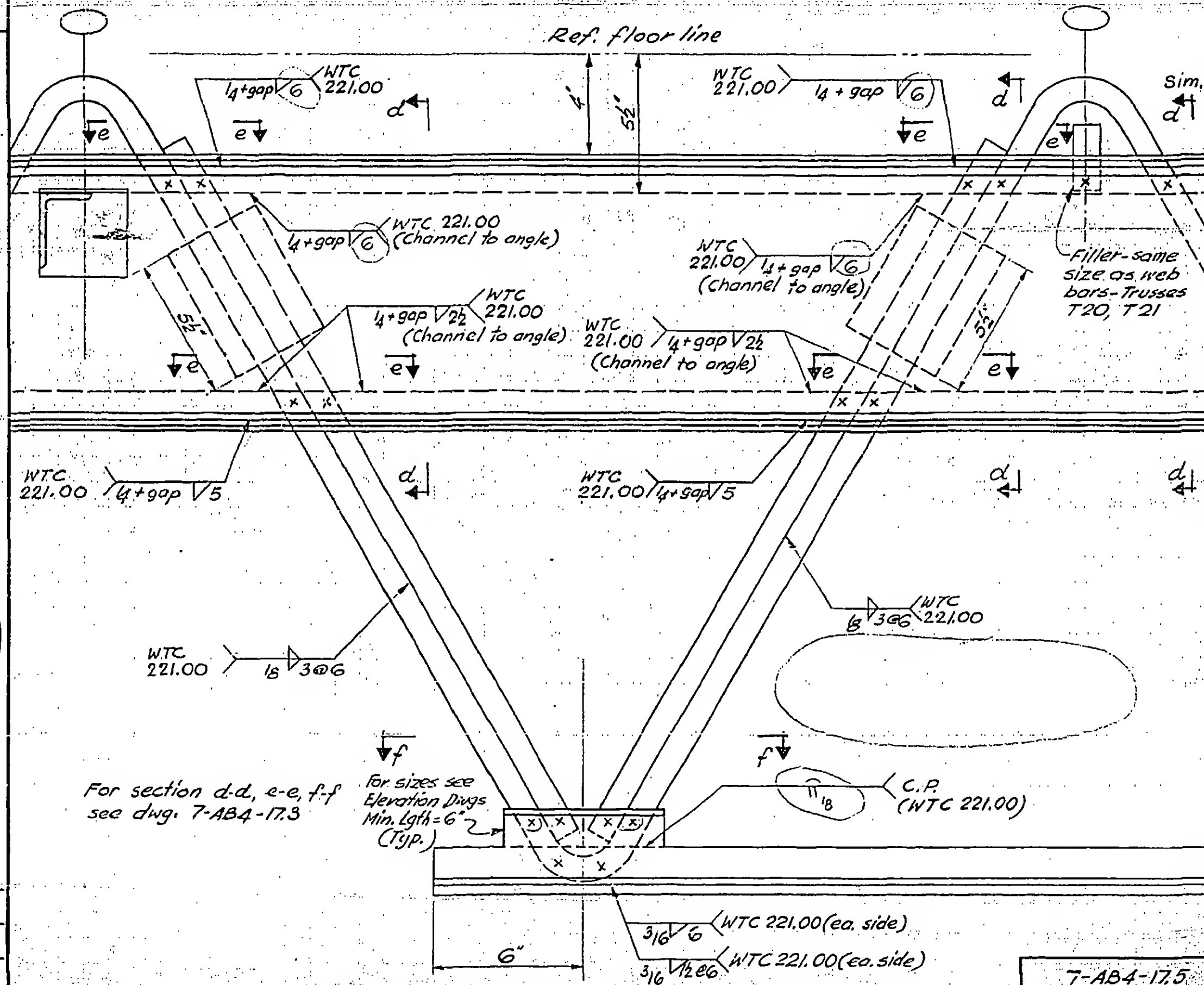
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E28C

DATE 8-1-68

## REVISIONS

8-15-68  
10-4-68

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

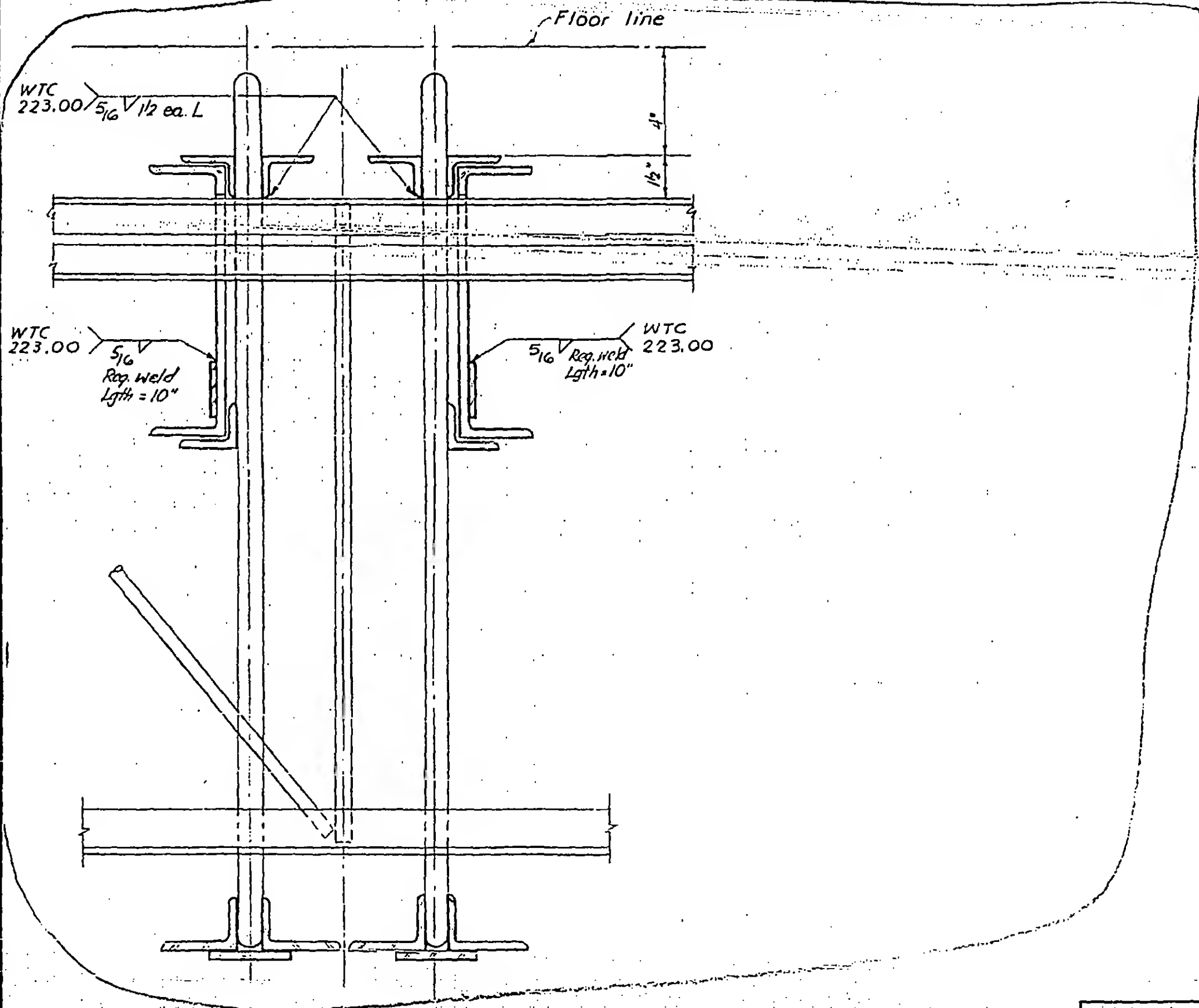
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E28 D

DATE 8-1-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4-17.6

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

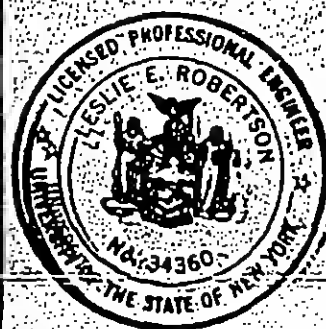
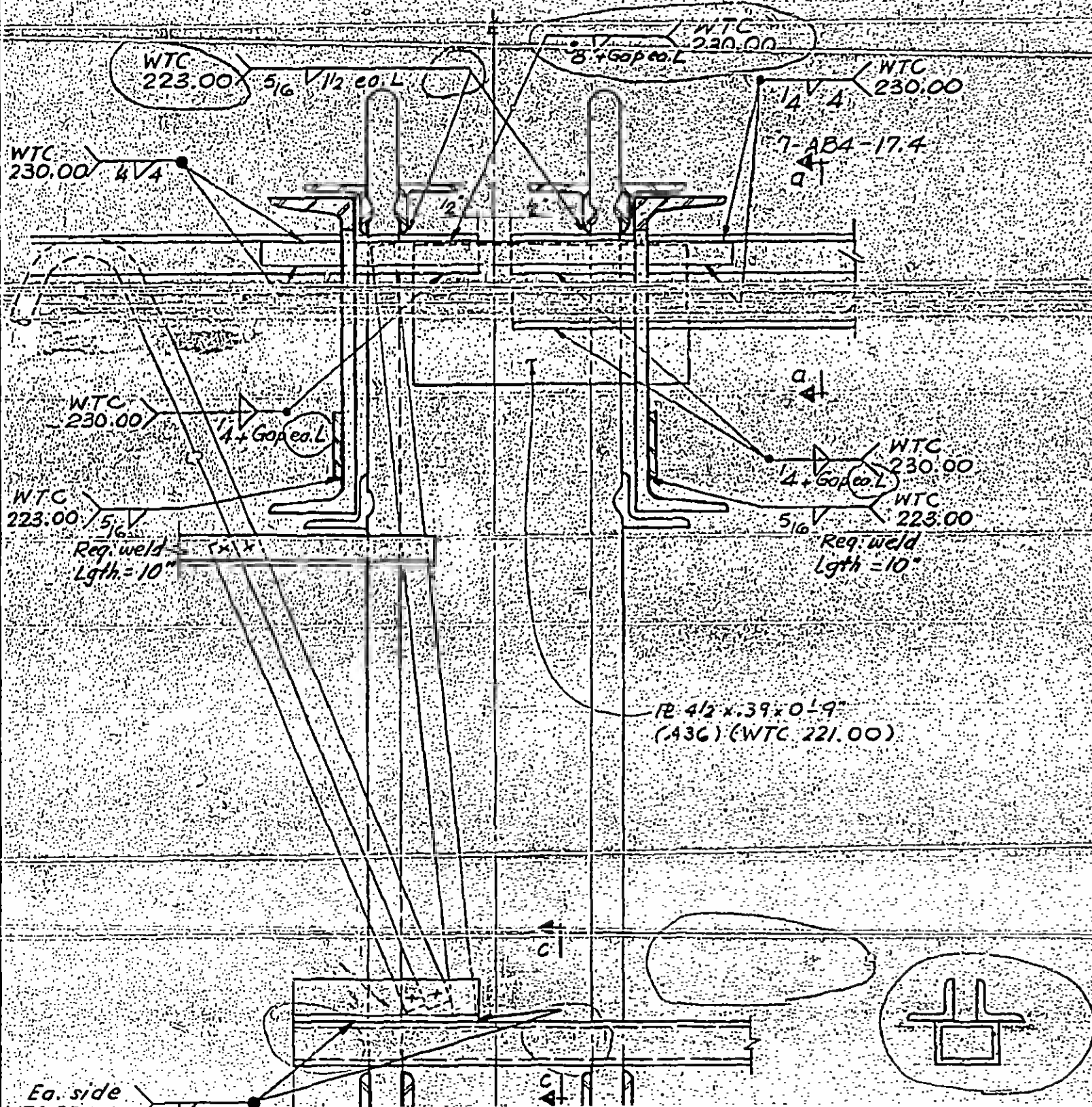
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 28 E

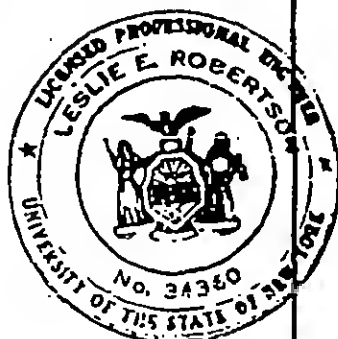
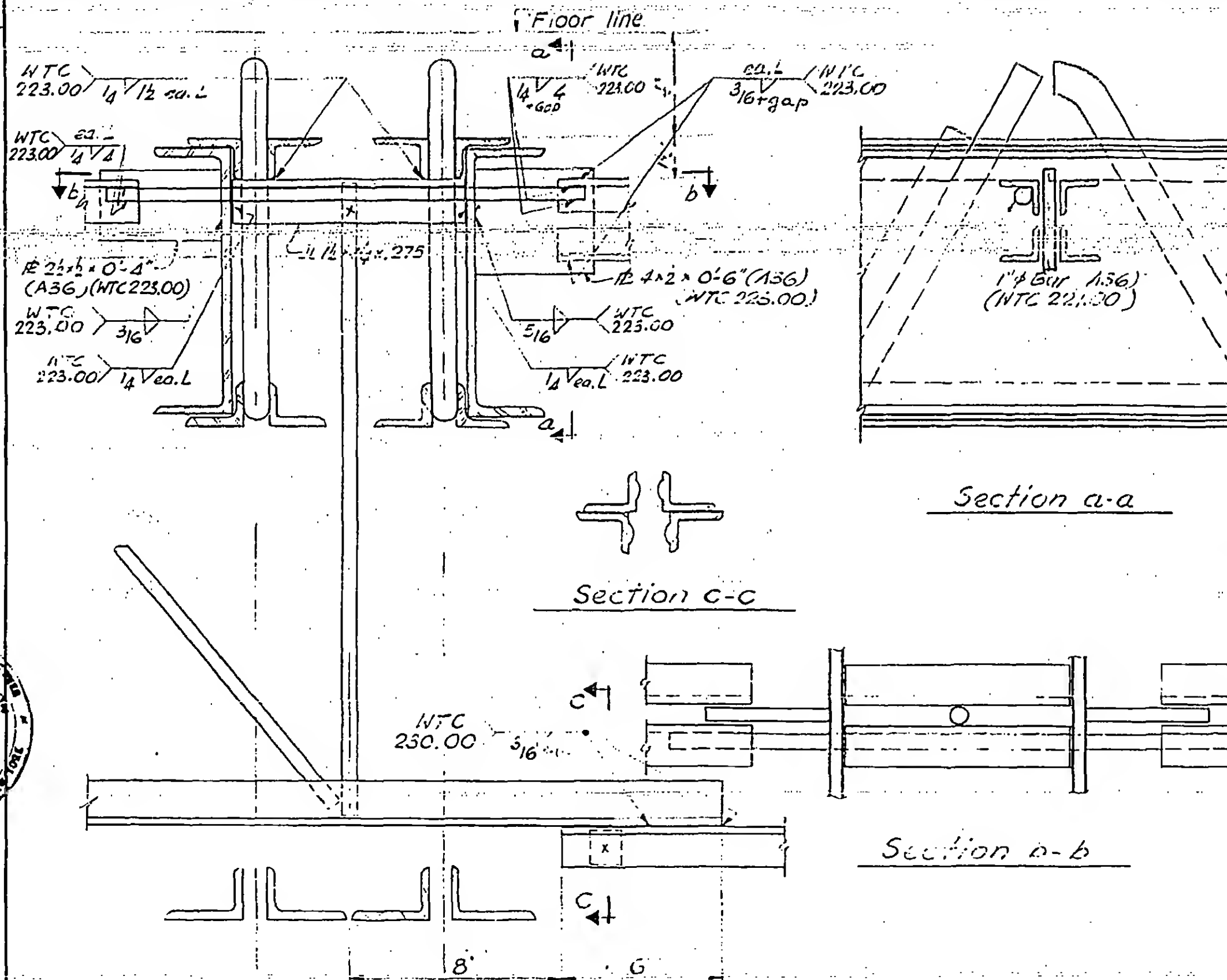
DATE 8-15-68

REVISIONS

10-4-68



## REVISIONS





SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

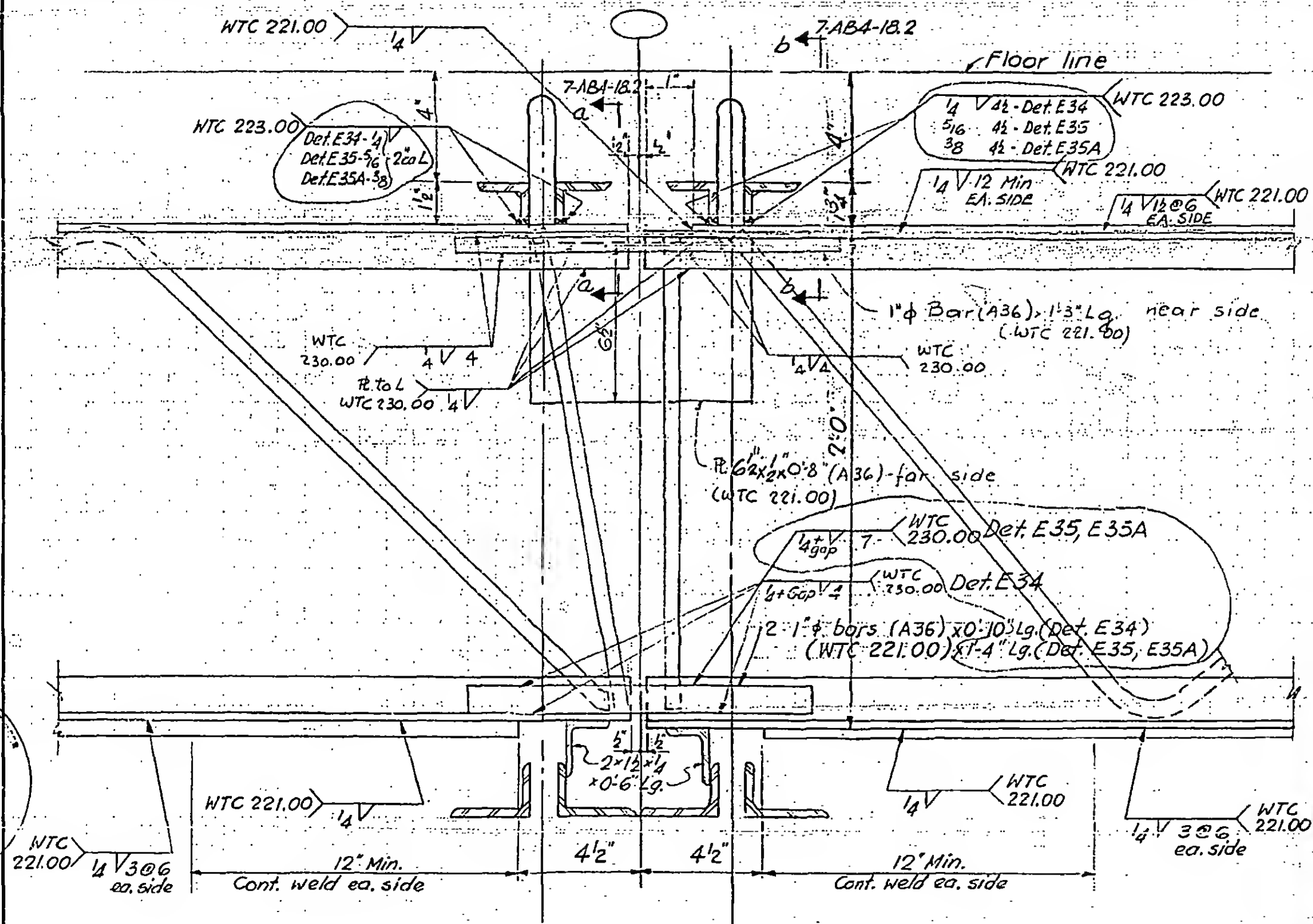
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAILS E34, E35, E35A

DATE 1-3-68

## REVISIONS

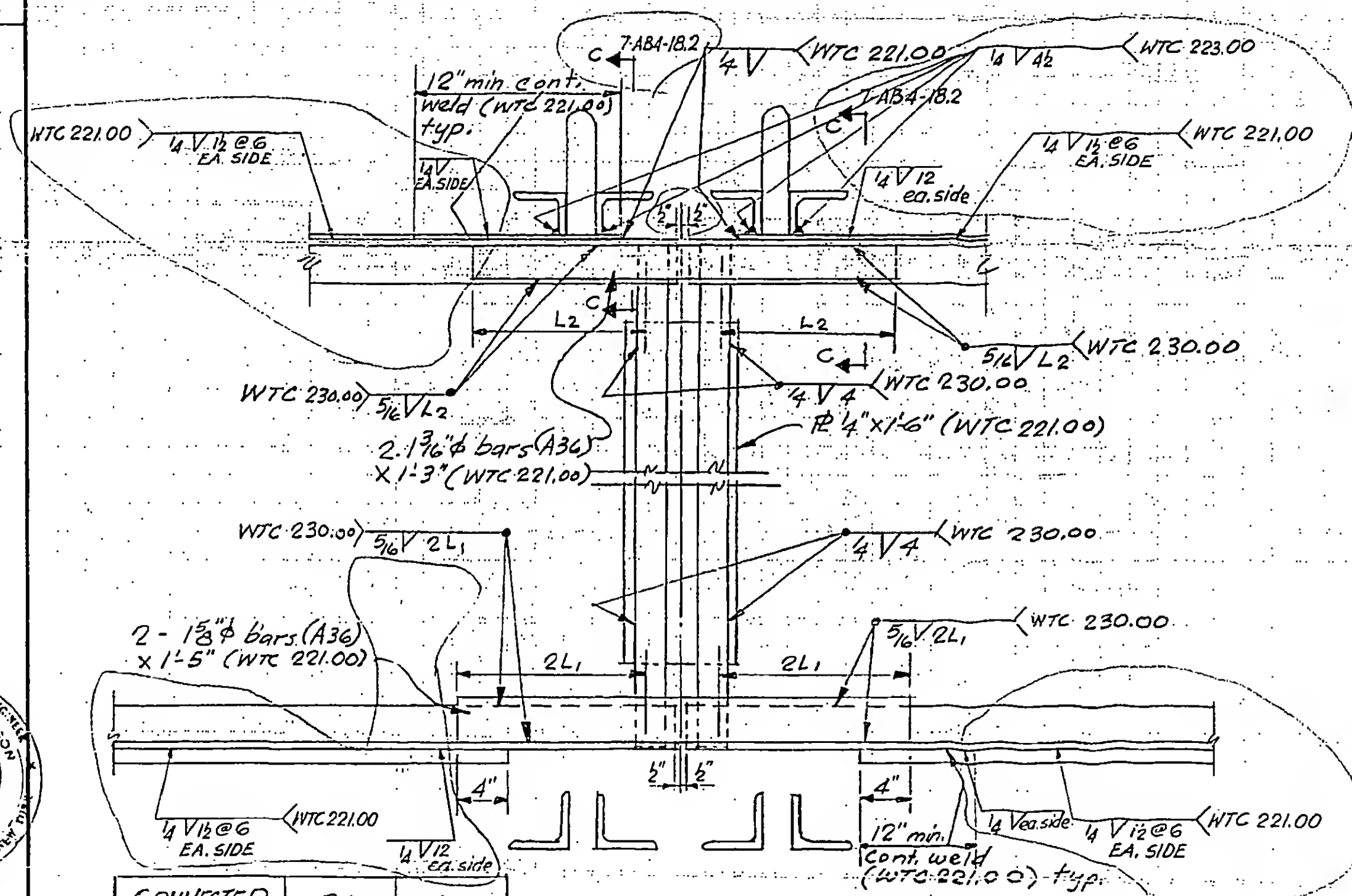
4-1-68  
5-6-68  
7-22-68  
1-6-69



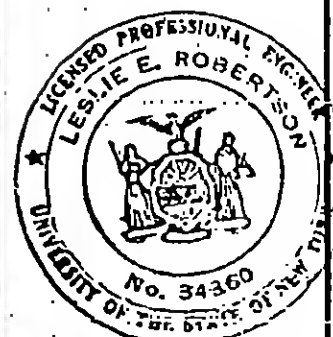
7-AB4-18

REVISIONS

7-22-68

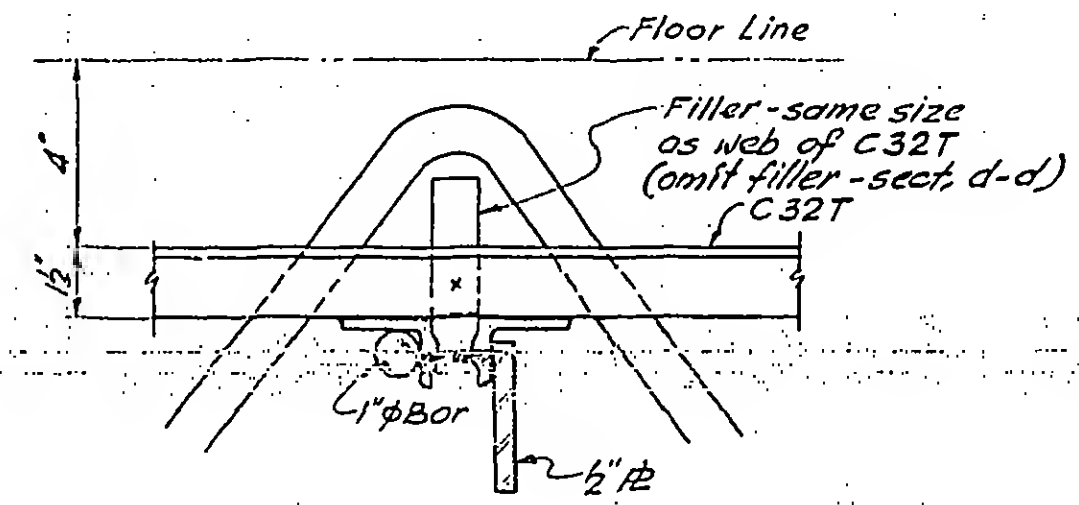


CONNECTED TRUSSES	2L <sub>1</sub>	L <sub>2</sub>
24T7A-T8A	7 1/2"	4"
24T7-T8	7"	3 3/4"
24T7B-8B	6 1/2"	3 1/2"

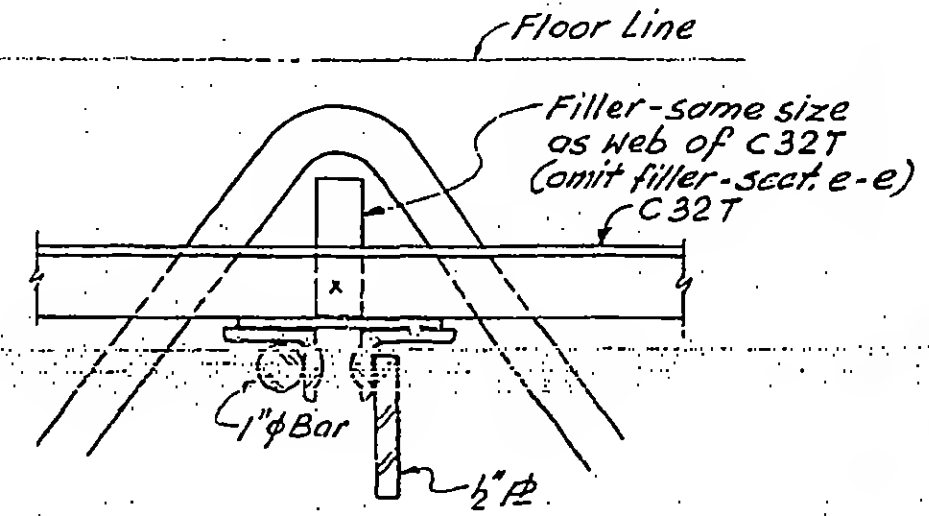


7-AB4-18.1

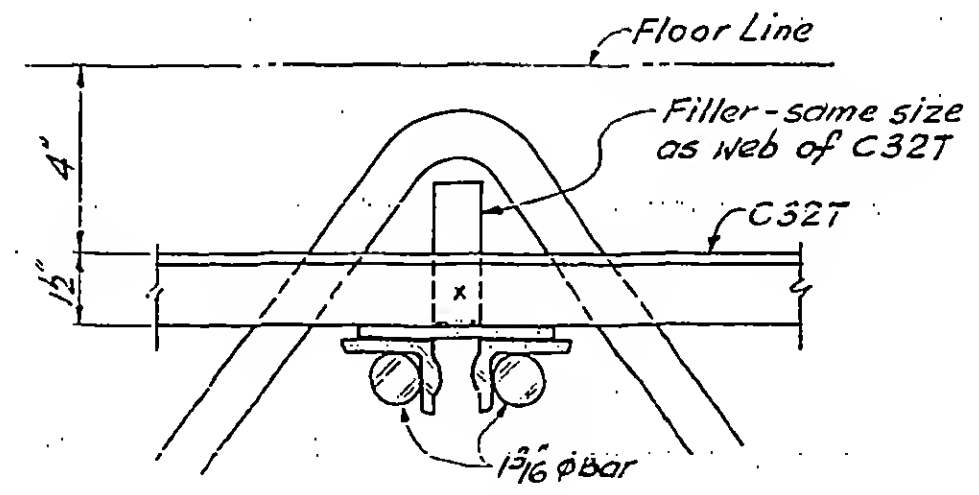
REVISIONS



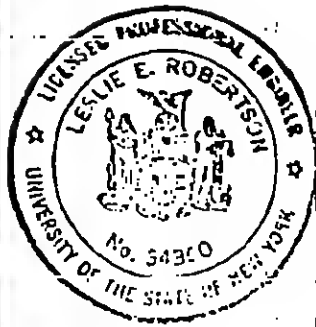
Section a-a  
Section d-d - similar  
except as noted



Section b-b  
Section e-e - similar  
except as noted



Section c-c

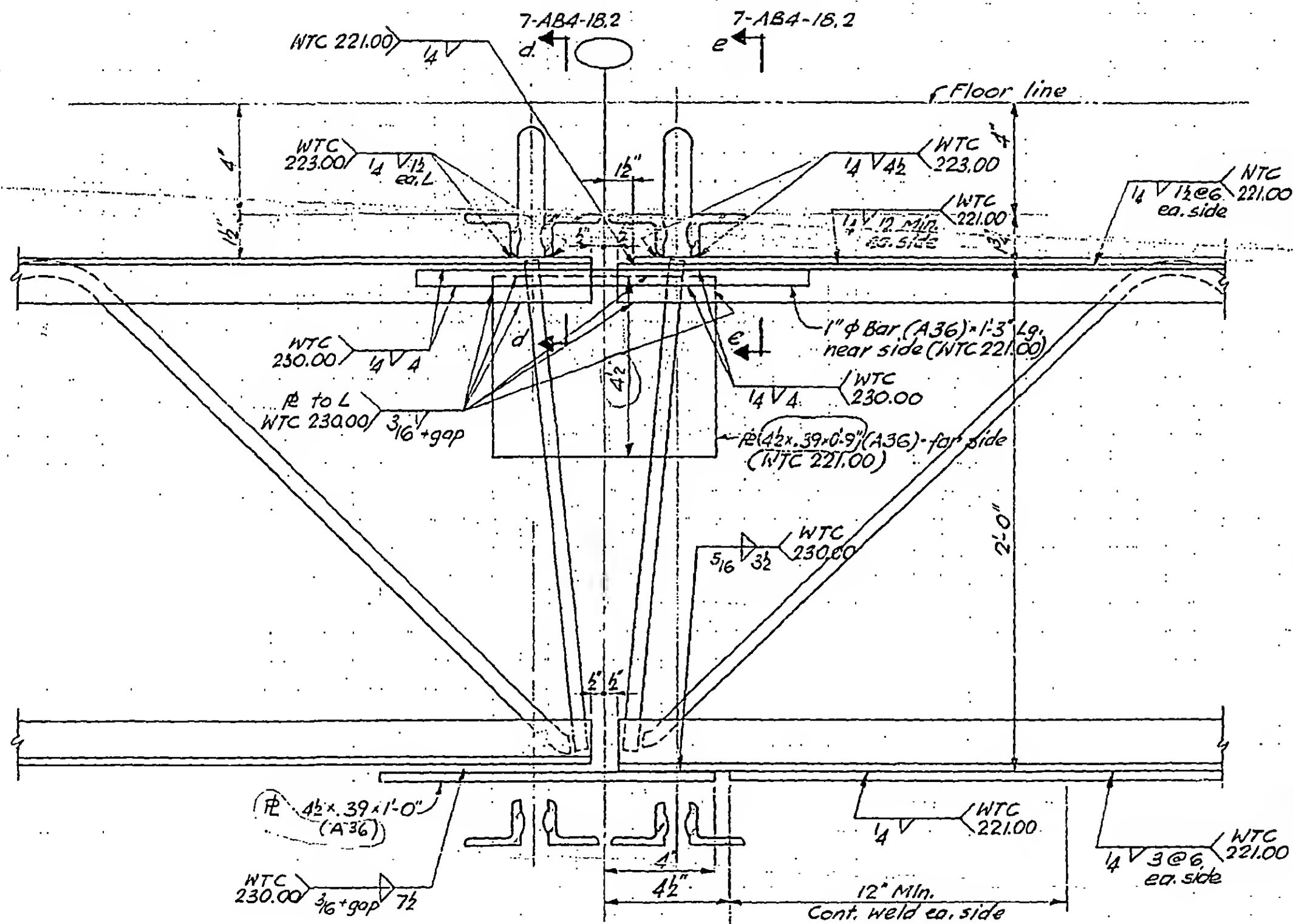


DESIGNED  
 DRAWN  
 REVIEWED

## REVISIONS

10-15-68

12-20-68



**DESIGNED**

**DRAWN**

REVIEWED

21

7-AB4-18.3

## Structural & Civil Engineers

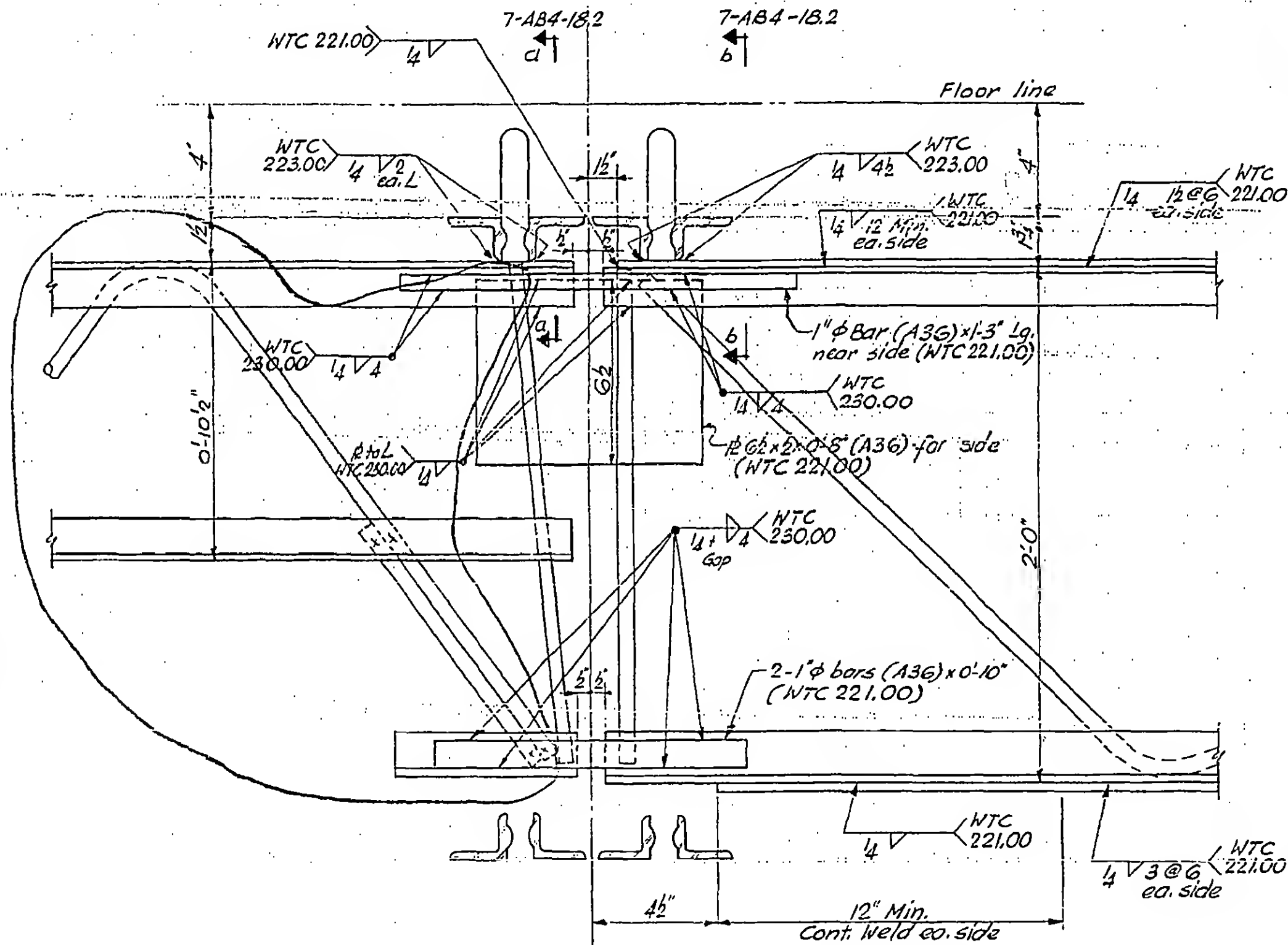
PROJECT *THE WORLD TRADE CENTER*

TITLE FLOOR PANEL - DETAIL E 34 B

DATE	8-15-68
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## REVISIONS

10-4-68



**DESIGNED**

**DRAWN**

REVIEWED

7-AB4-18.4



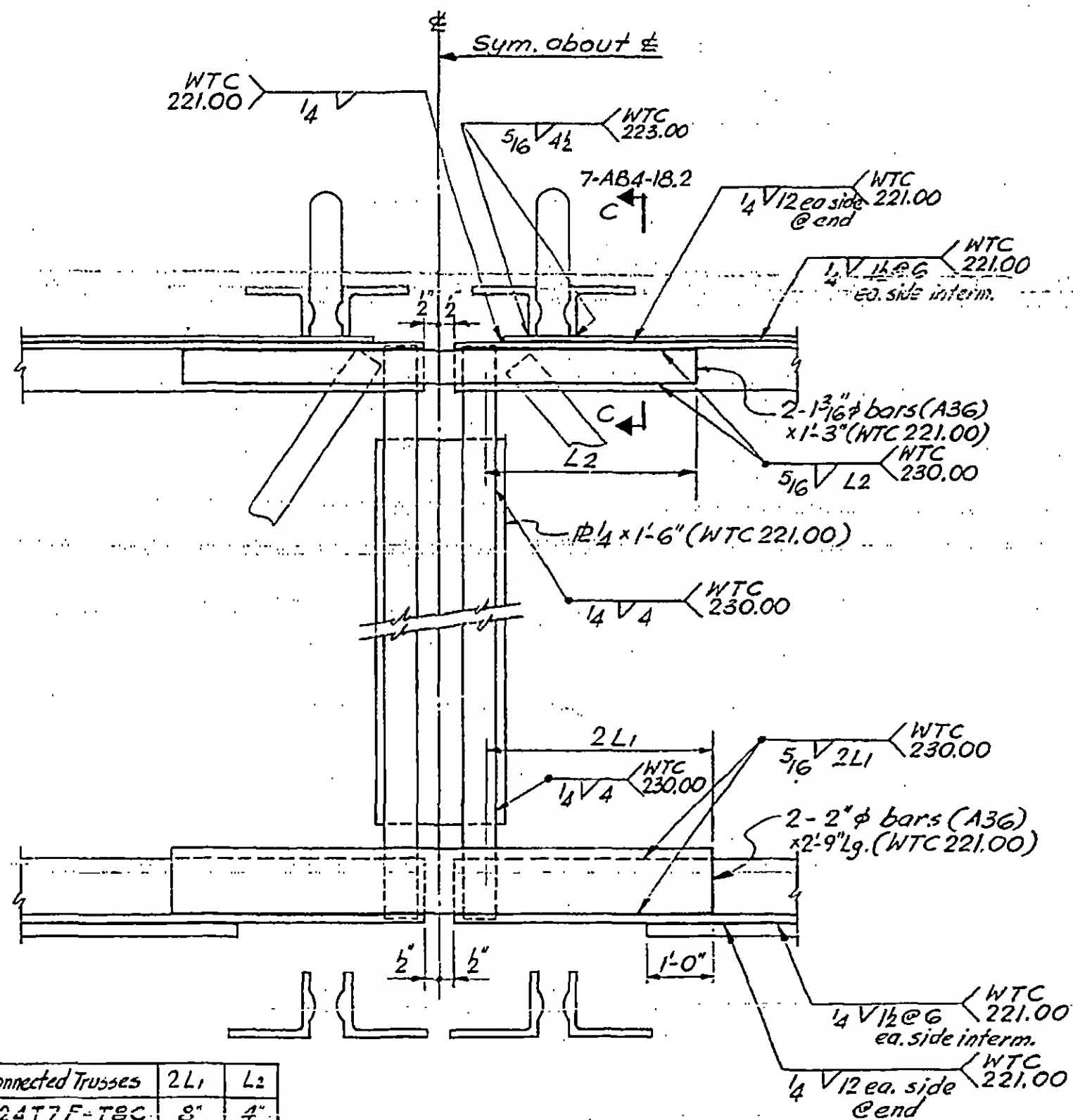
## Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

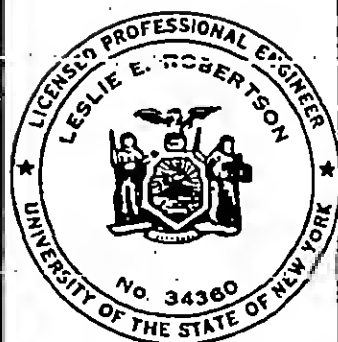
TITLE FLOOR PANEL - DETAIL E 31

DATE 1-6-69

## REVISIONS



Connected Trusses	2L <sub>1</sub>	L <sub>2</sub>
24T7F-T8C	8"	4"
24T7G-T8D	10"	4"
24T7H-T8E	9"	4"



**DESIGNED**

**DRAWN**

REVIEWED

7-AB4-18.5

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E38 &amp; E39

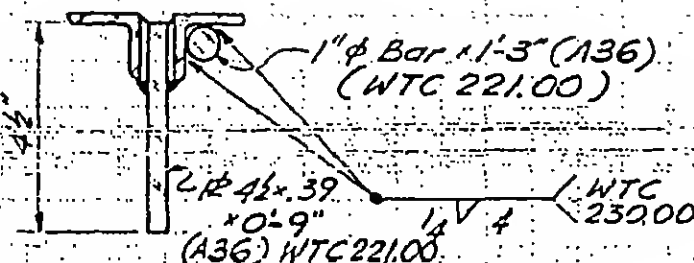
DATE 1-3-68

## REVISIONS

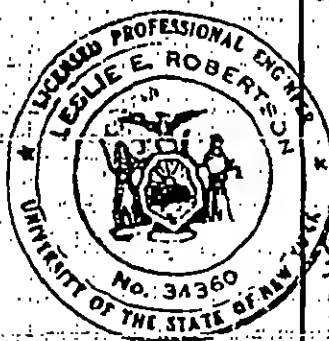
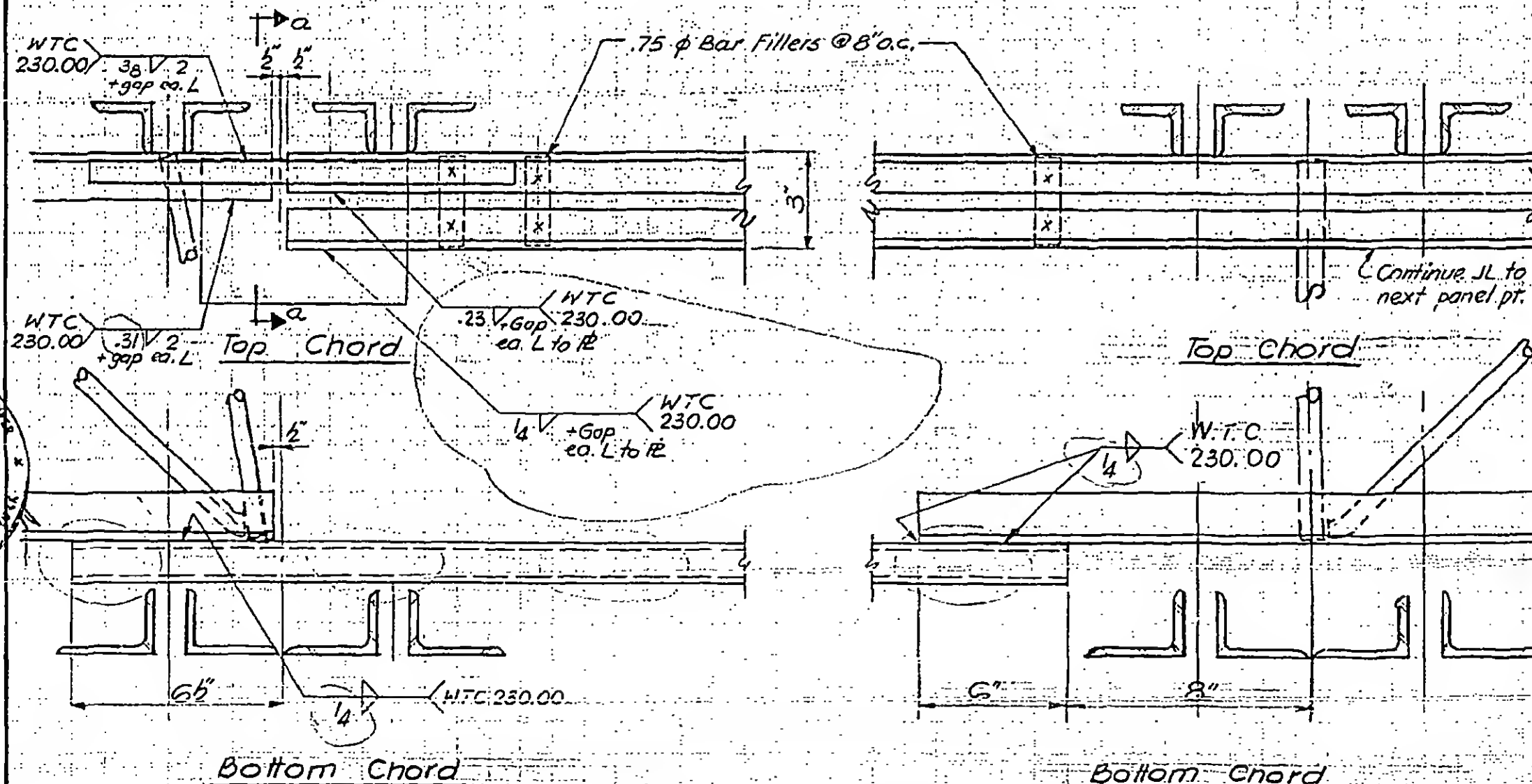
7-22-68

10-15-68

12-20-68



Section a-a



E39

E38

7-AB4-19

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

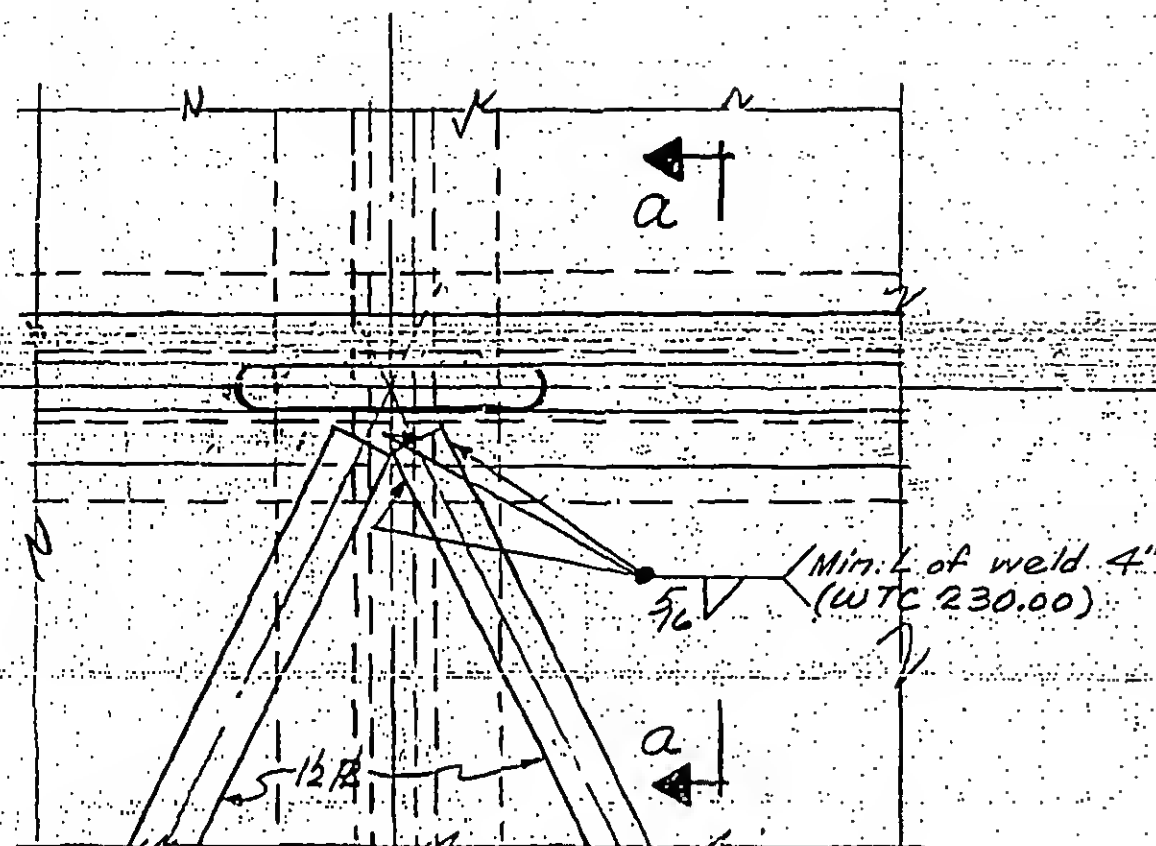
PROJECT THE WORLD TRADE CENTER

TITLE

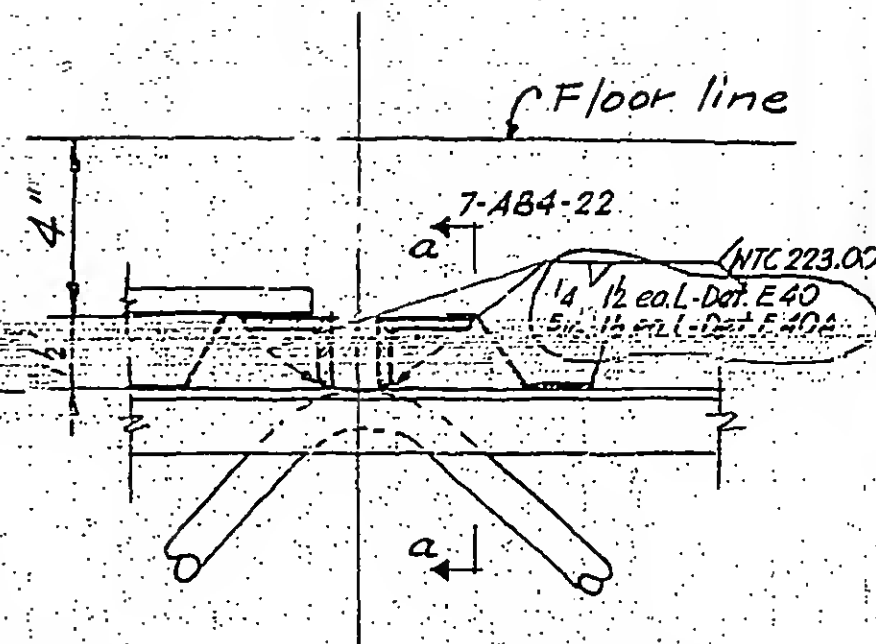
FLOOR PANEL DETAIL E40 (E40A) E45 (E45A)

DATE 1-3-68

## REVISIONS

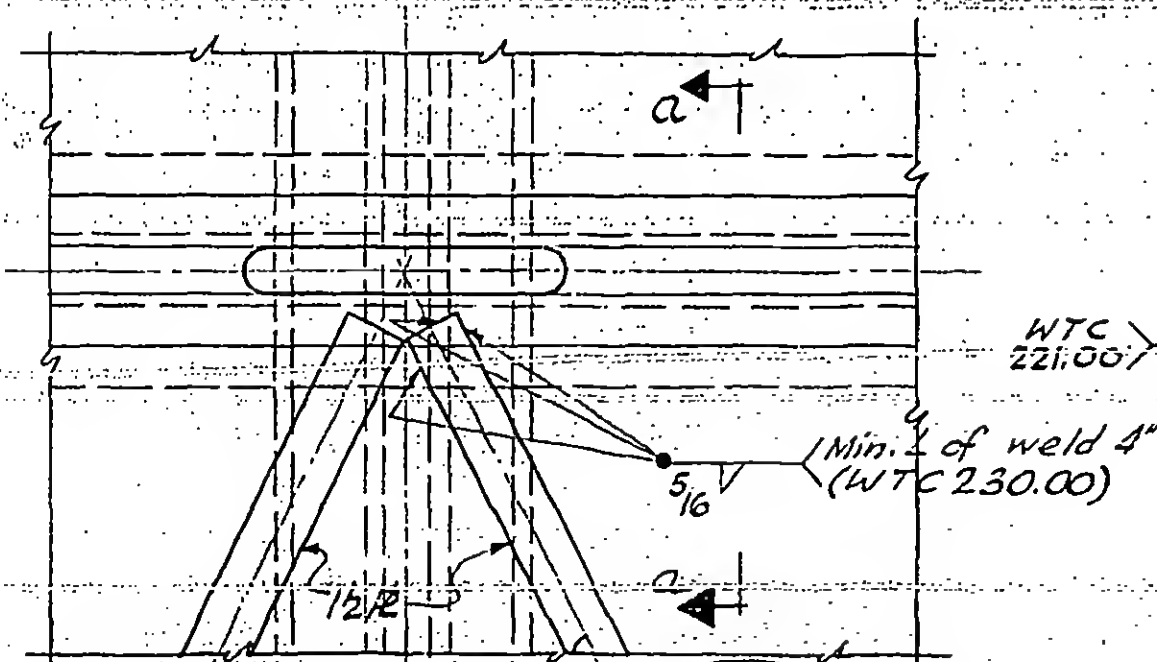
7-22-68  
1-6-69

PLAN - DET. E40

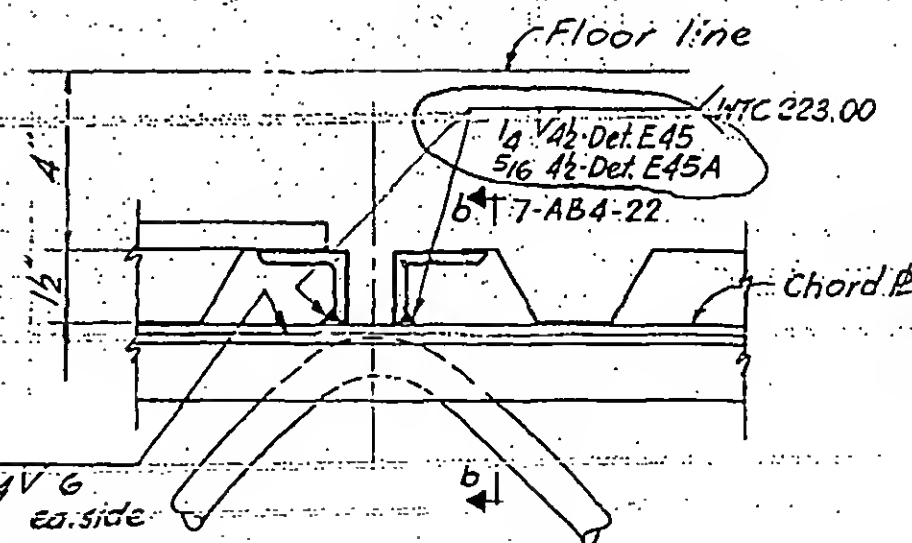


Section a-a

Detail E40 (E40A)

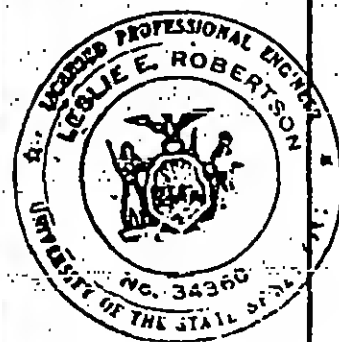


PLAN - DET. E45 (E45A)



Section a-a

Detail E45 (E45A)



7-AB4-21

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

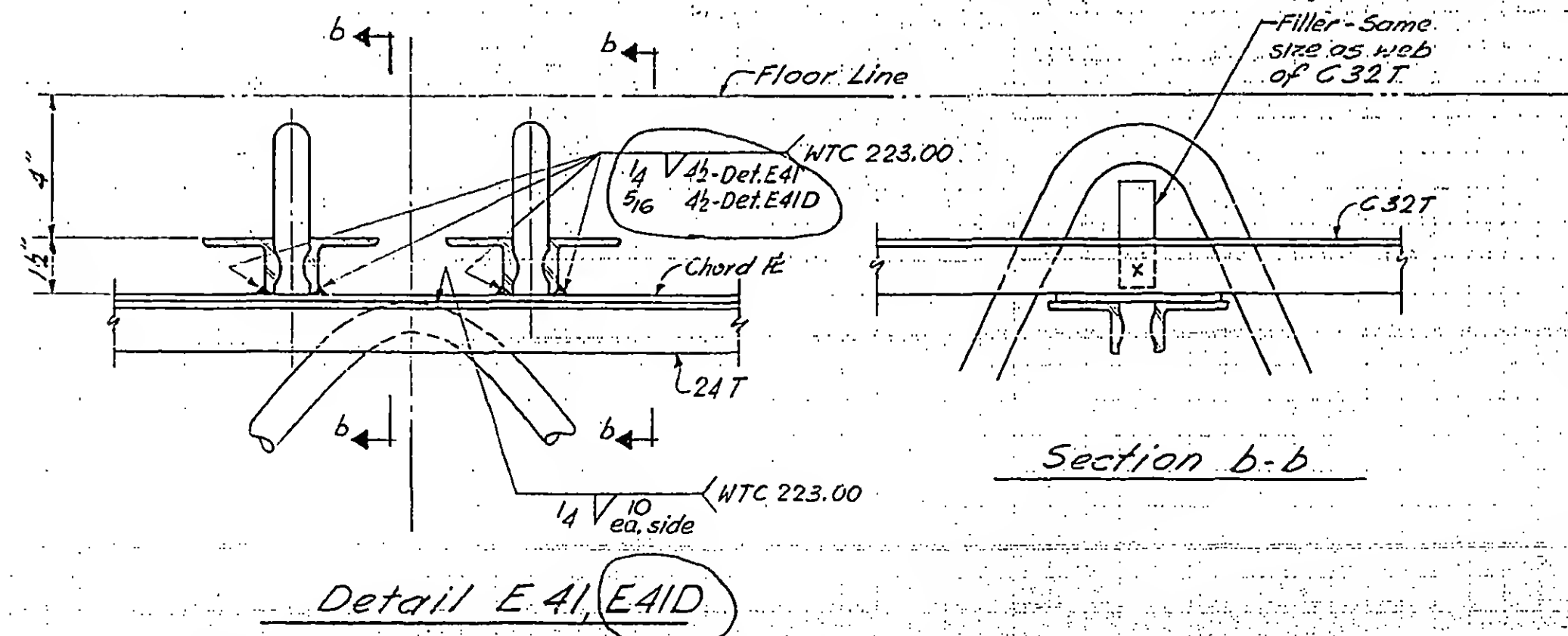
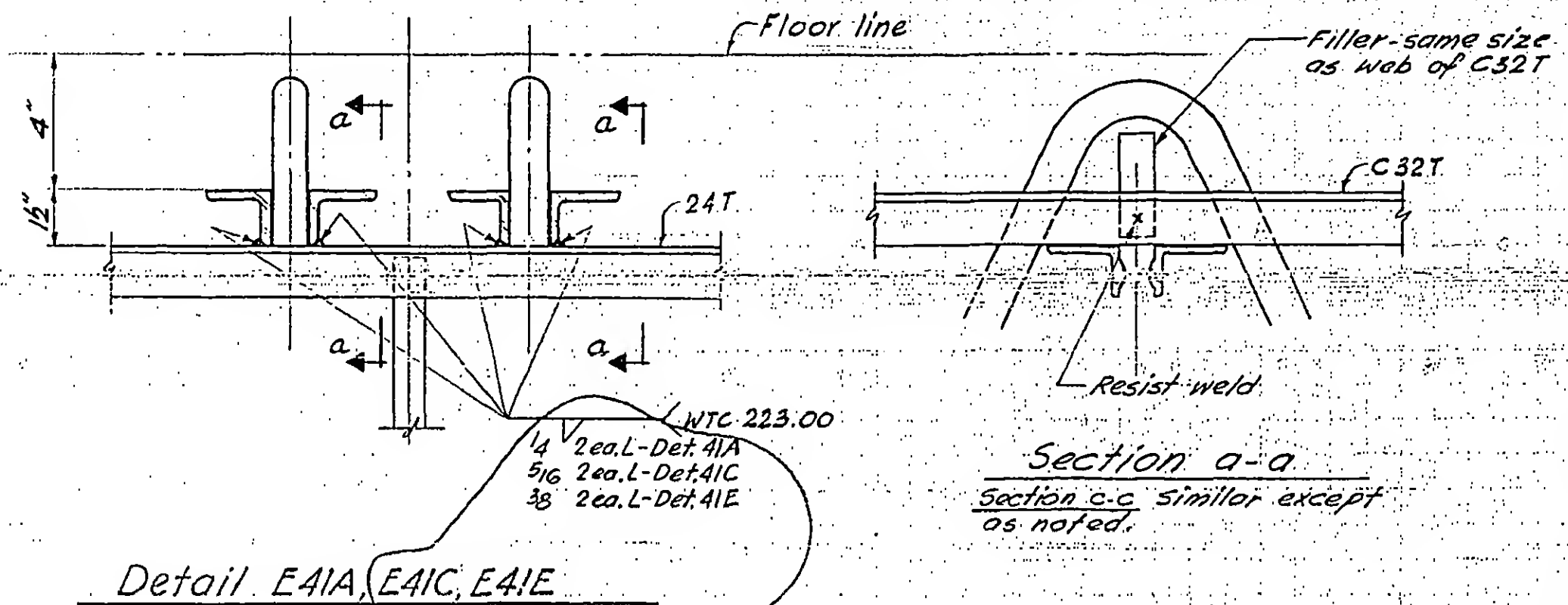
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E4I (E4IA, E4IC, E4IE & E4ID)

DATE 1-3-68

REVISIONS

7-22-68  
1-6-69



DESIGNED

DRAWN

REVIEWED

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

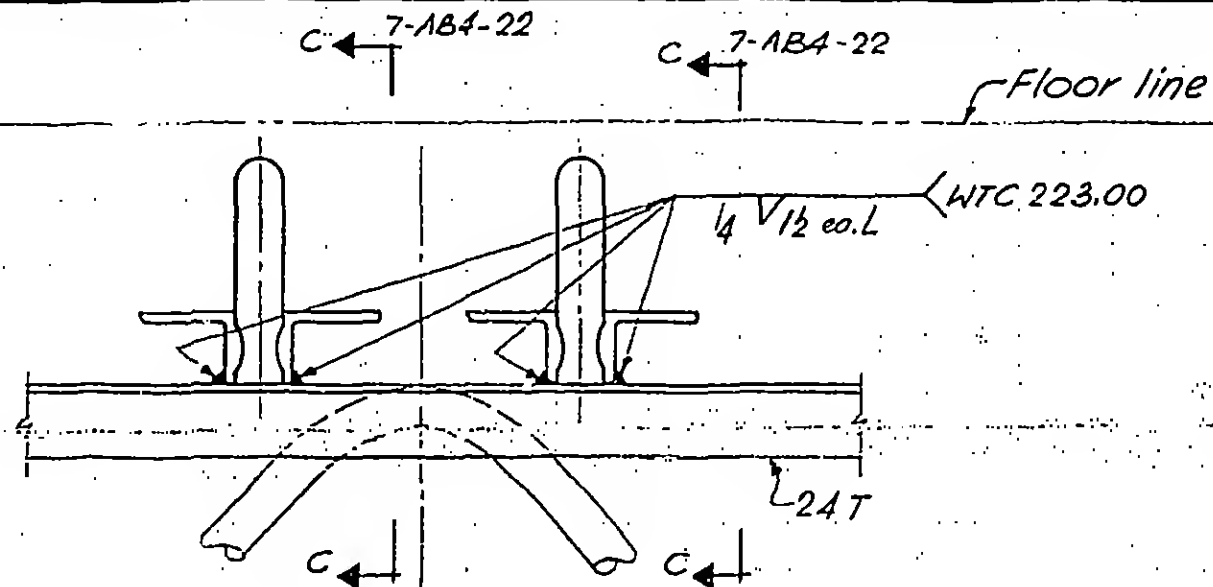
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

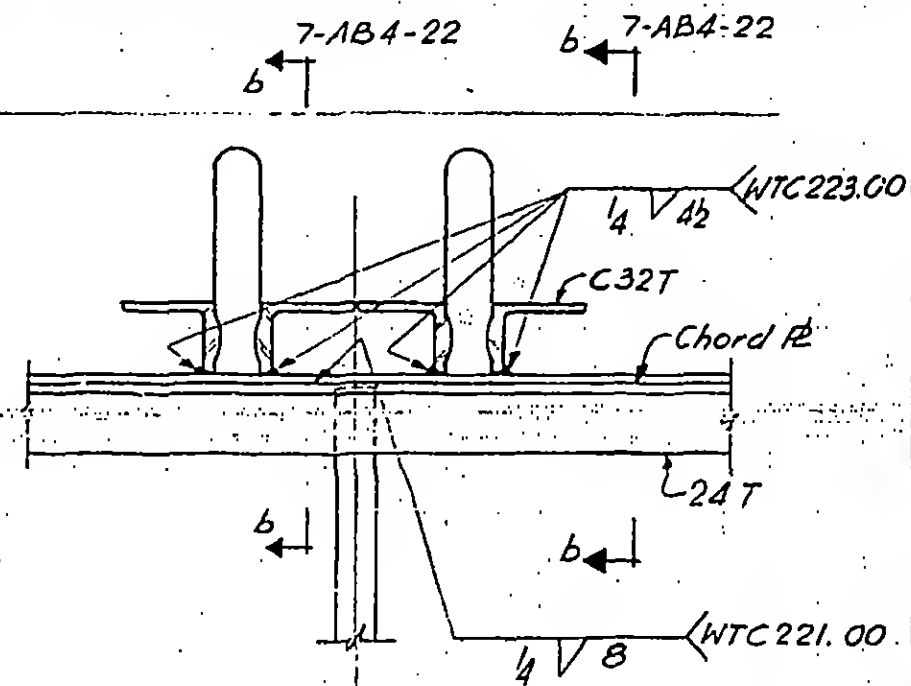
TITLE FLOOR PANEL - DETAIL E 41B & E 46

DATE 7-22-68

REVISIONS



Detail E 46



Detail E 41B



DESIGNED

DRAWN

REVIEWED

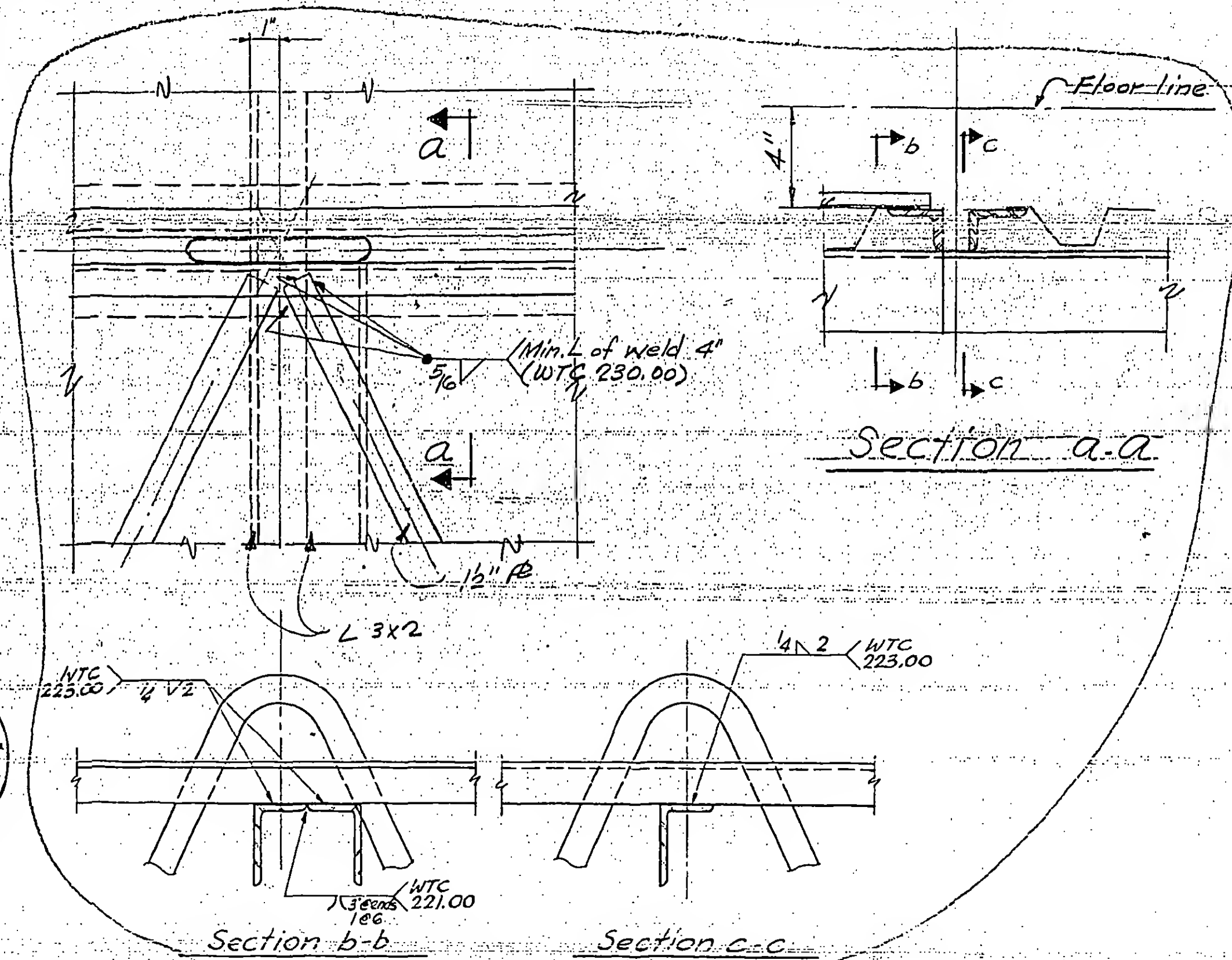
25

7-AB4-22.1



PROJECT THE WORLD TRADE CENTERTITLE FLOOR PANEL - DETAIL E 42DATE 1-3-68

## REVISIONS

4-1-68  
7-22-68

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

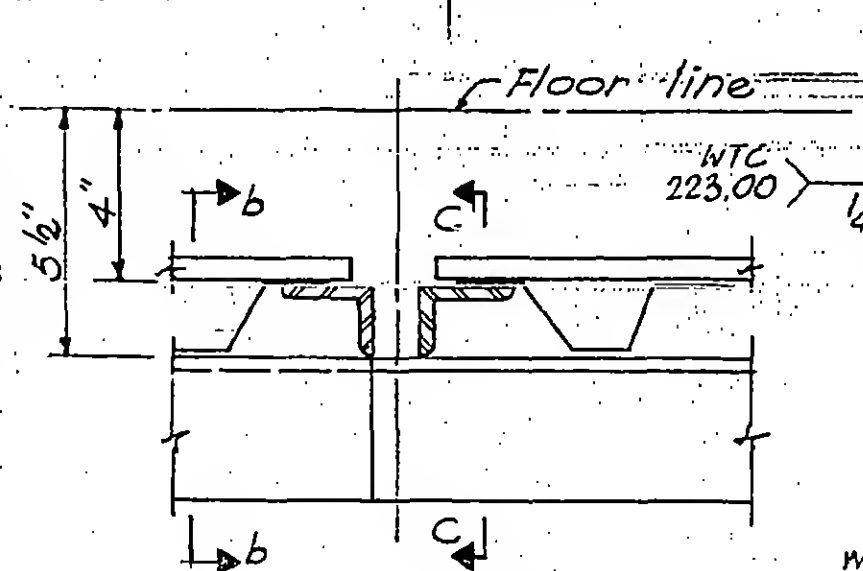
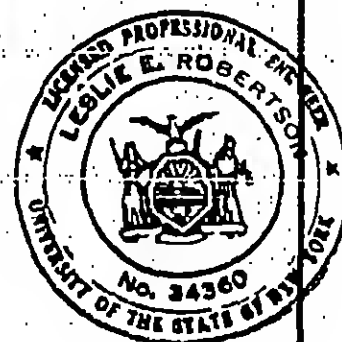
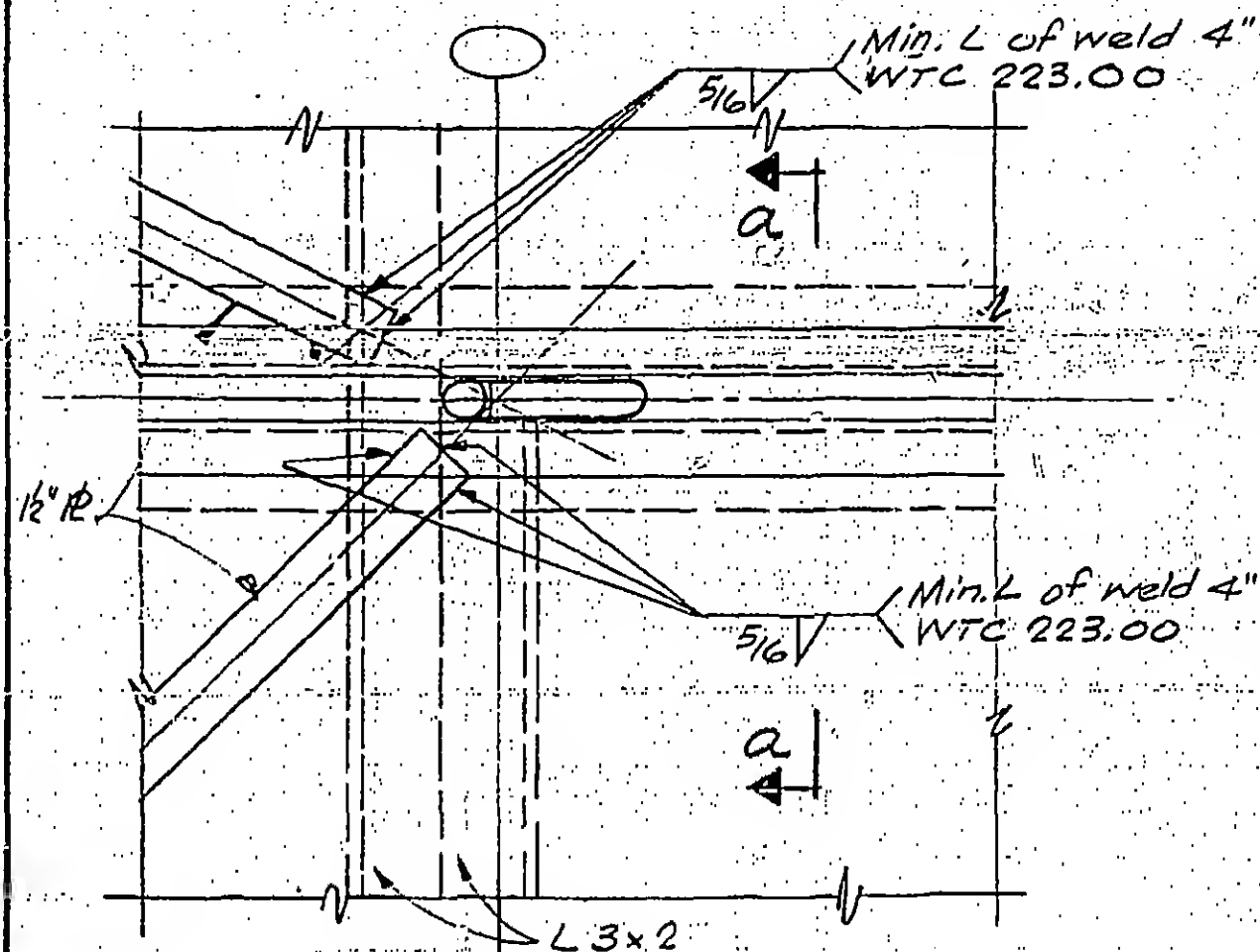
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E43

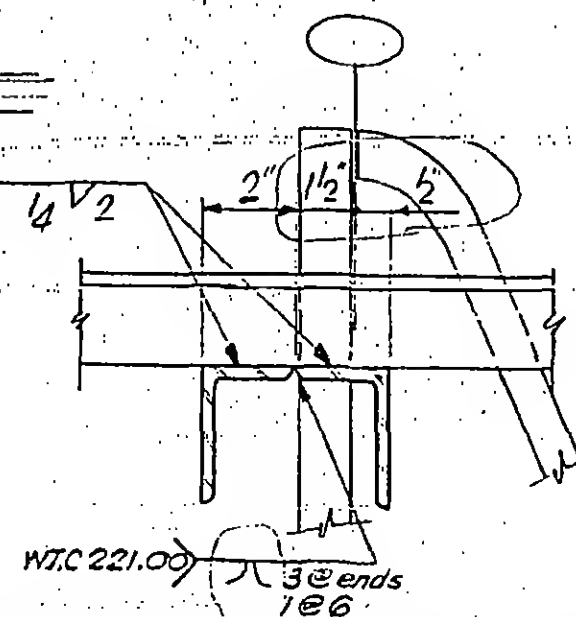
DATE 1-3-68

REVISIONS

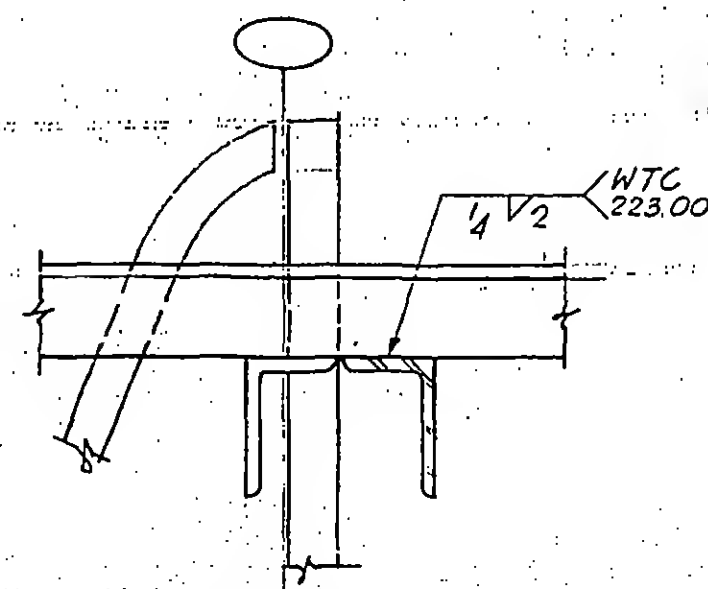
4-1-68  
7-22-68  
10-15-68



Section a-a



Section b-b



Section c-c

7-AB4-24

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

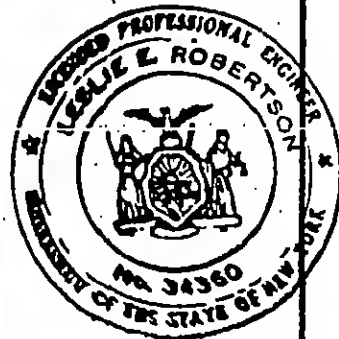
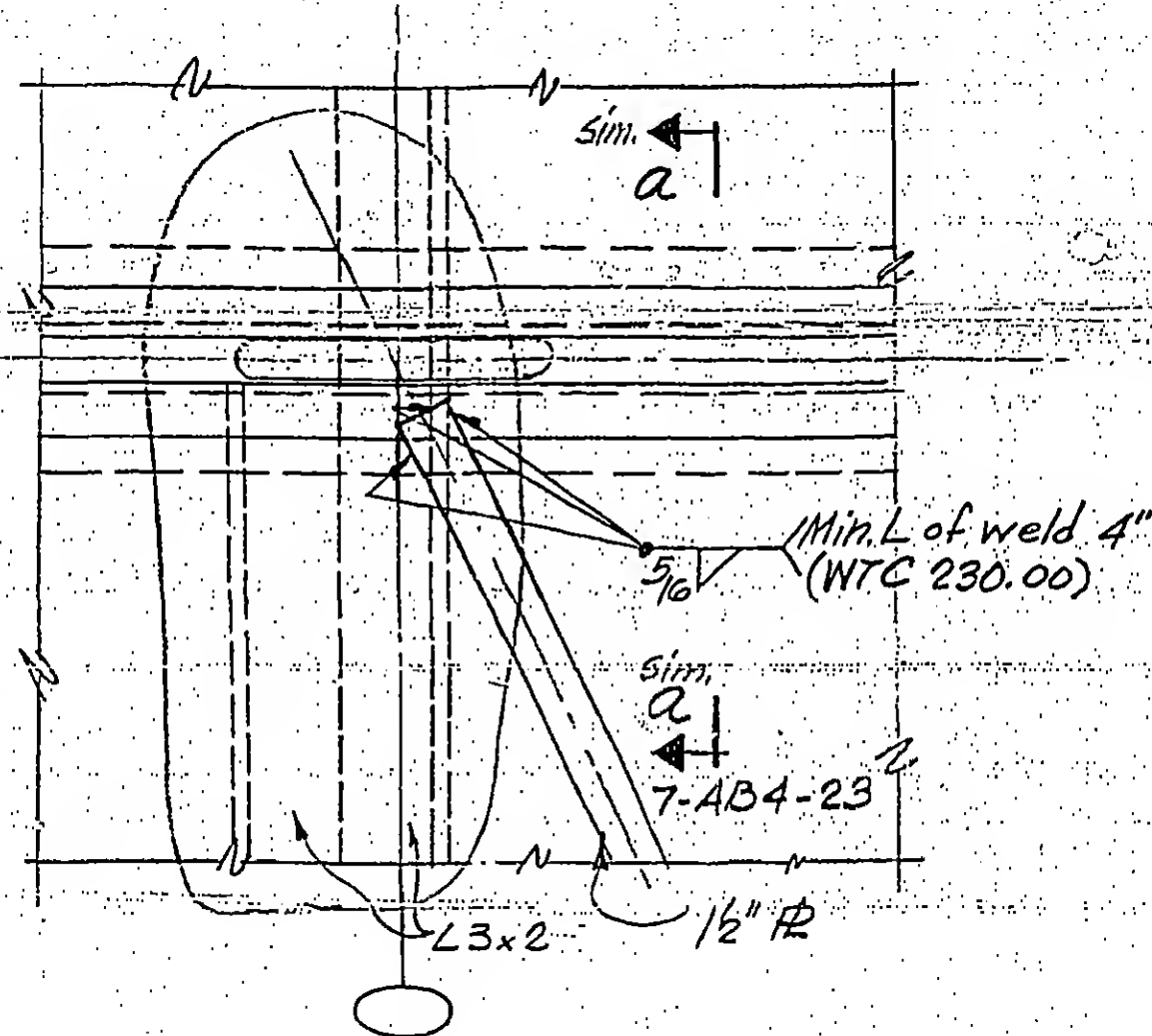
PROJECT THE WORLD TRADE CENTER TITLE FLOOR PANEL - DETAIL E 44

DATE 1-3-68

## REVISIONS

4-1-68

7-22-68



7-AB4-25

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

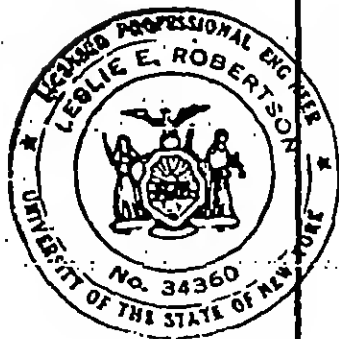
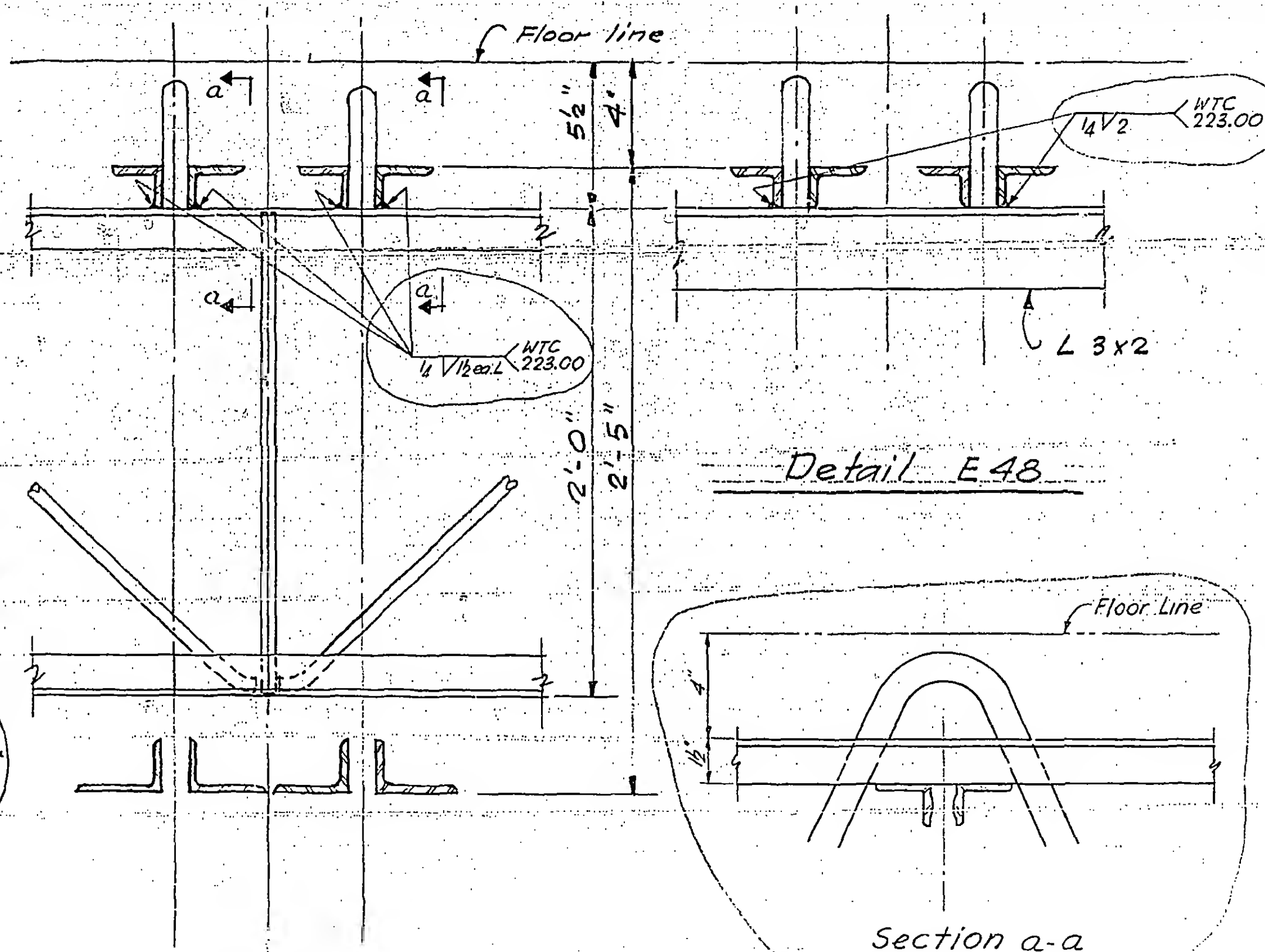
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E47 & E48

DATE 1-3-68

REVISIONS

7-22-68



SKILLING, HELLE. CHRISTIANSEN, ROBERTSON

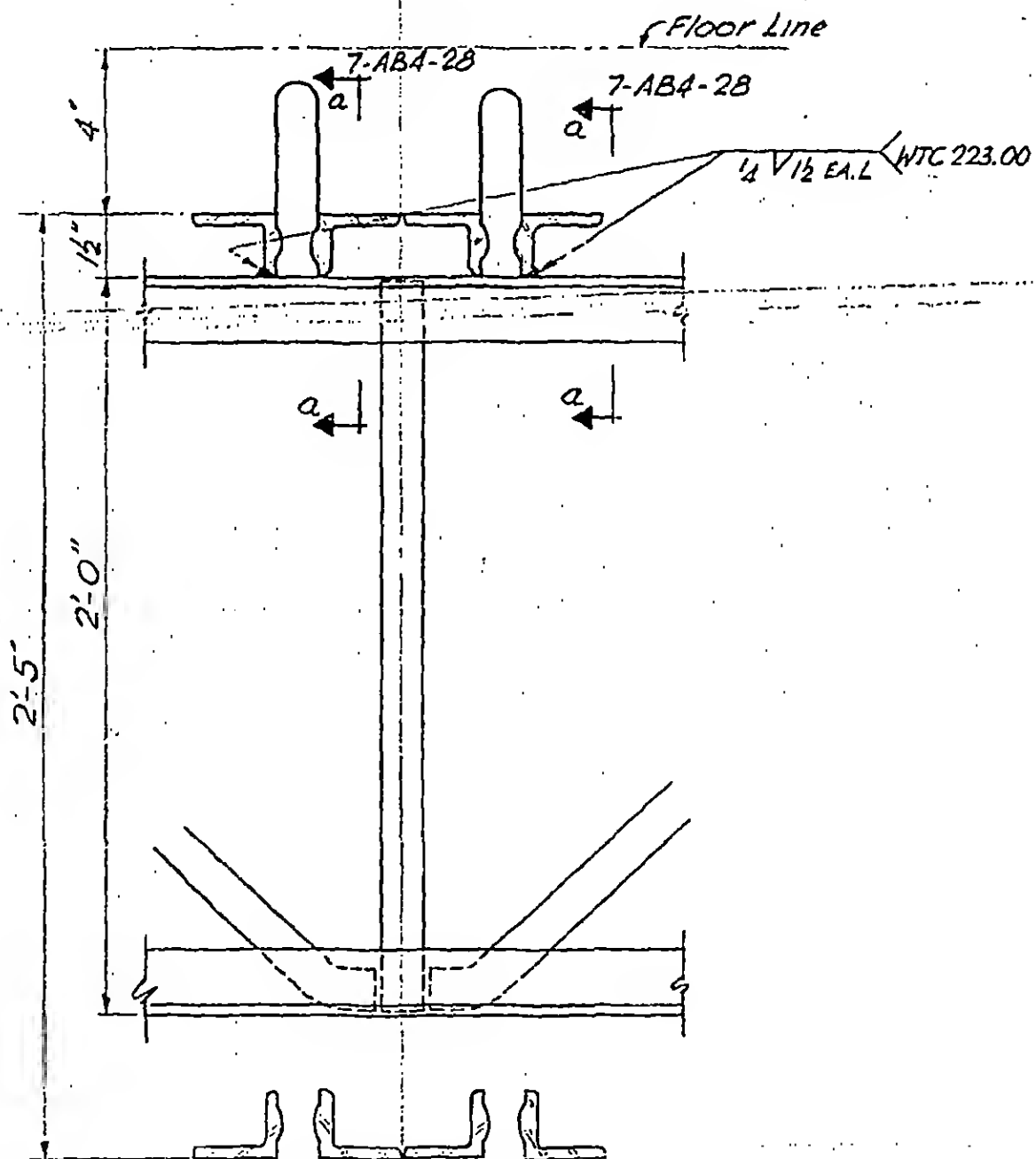
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E47A

DATE 7-22-68

REVISIONS



DESIGNED

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REVIEWED

80

7-AB4-281



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

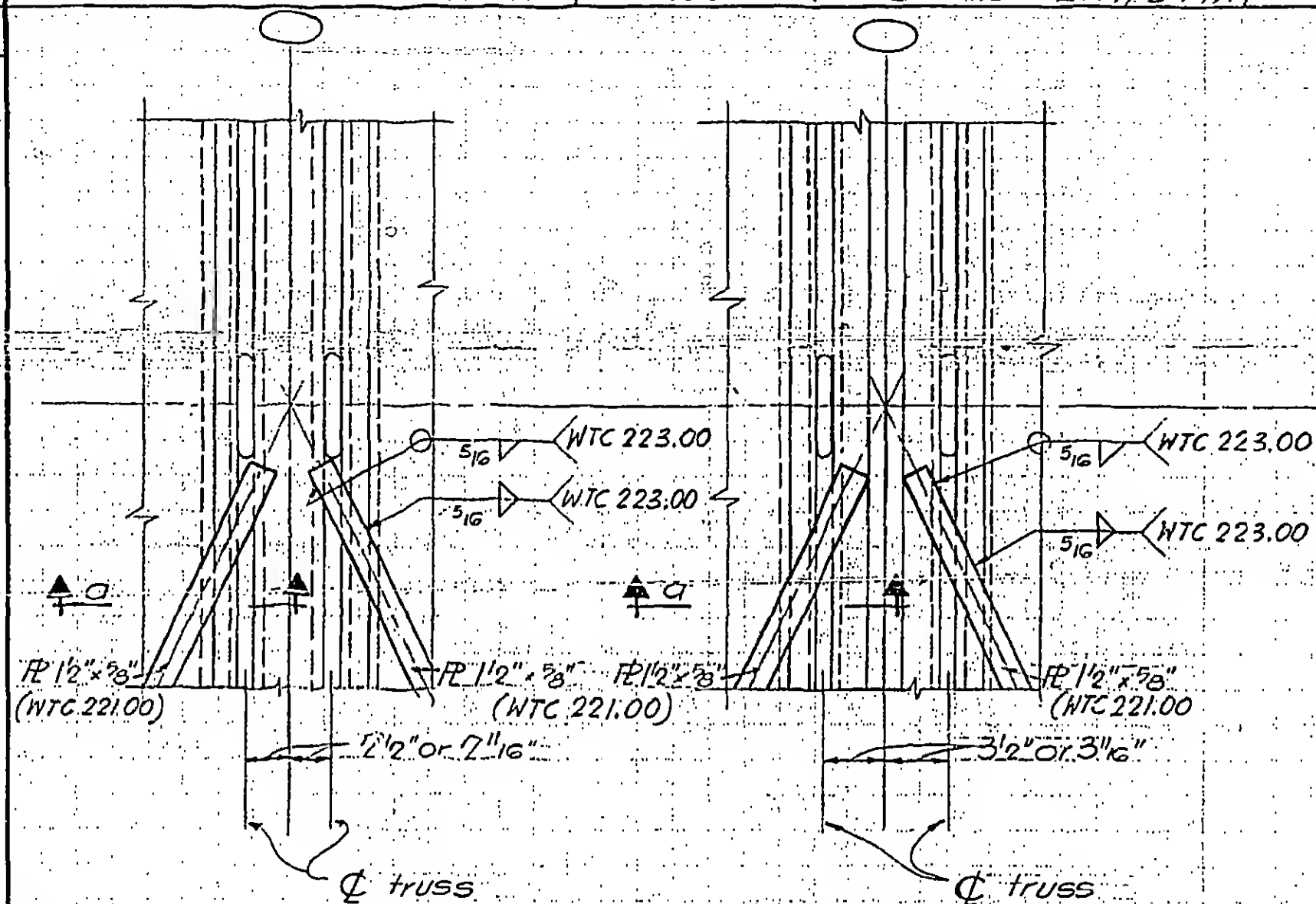
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 49, E 49A

DATE 10-20-67

REVISIONS

1-3-68

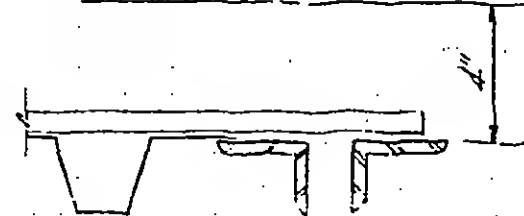


Detail E 49

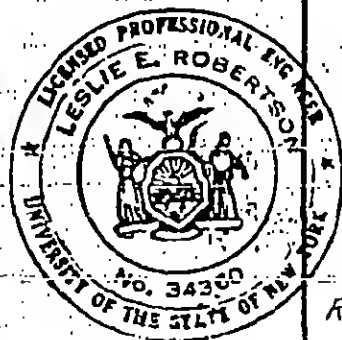
Detail E 49A

Note - For exterior end of  
RP 1/2" x 5/8" see Det. E 50, E 51 & E 52

Ref. floor line



Section a-a



PROJECT THE WORLD TRADE CENTER

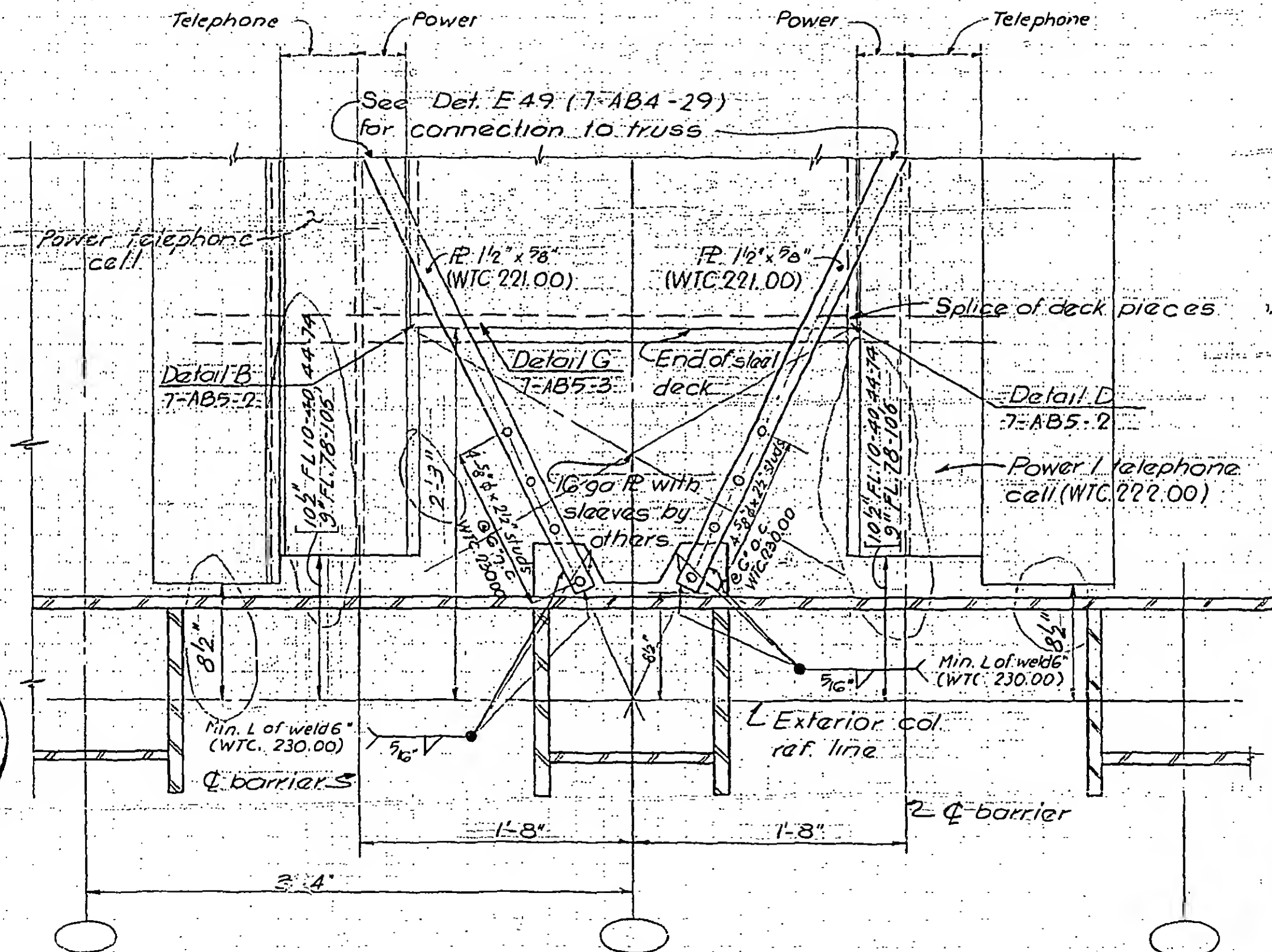
TITLE FLOOR PANEL DETAIL E50

DATE 10-20-67

## REVISIONS

1-3-68

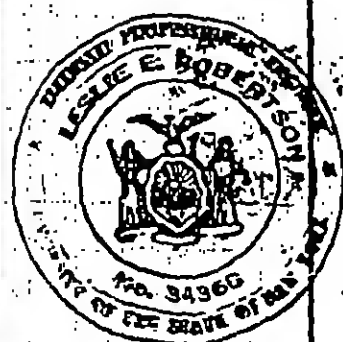
4-1-68



7-AB4-30

DATE 10-20-67

4-1-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

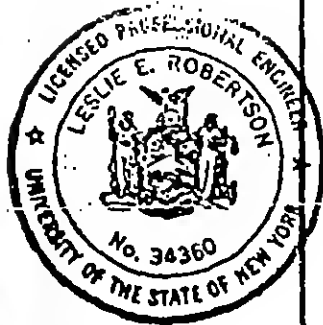
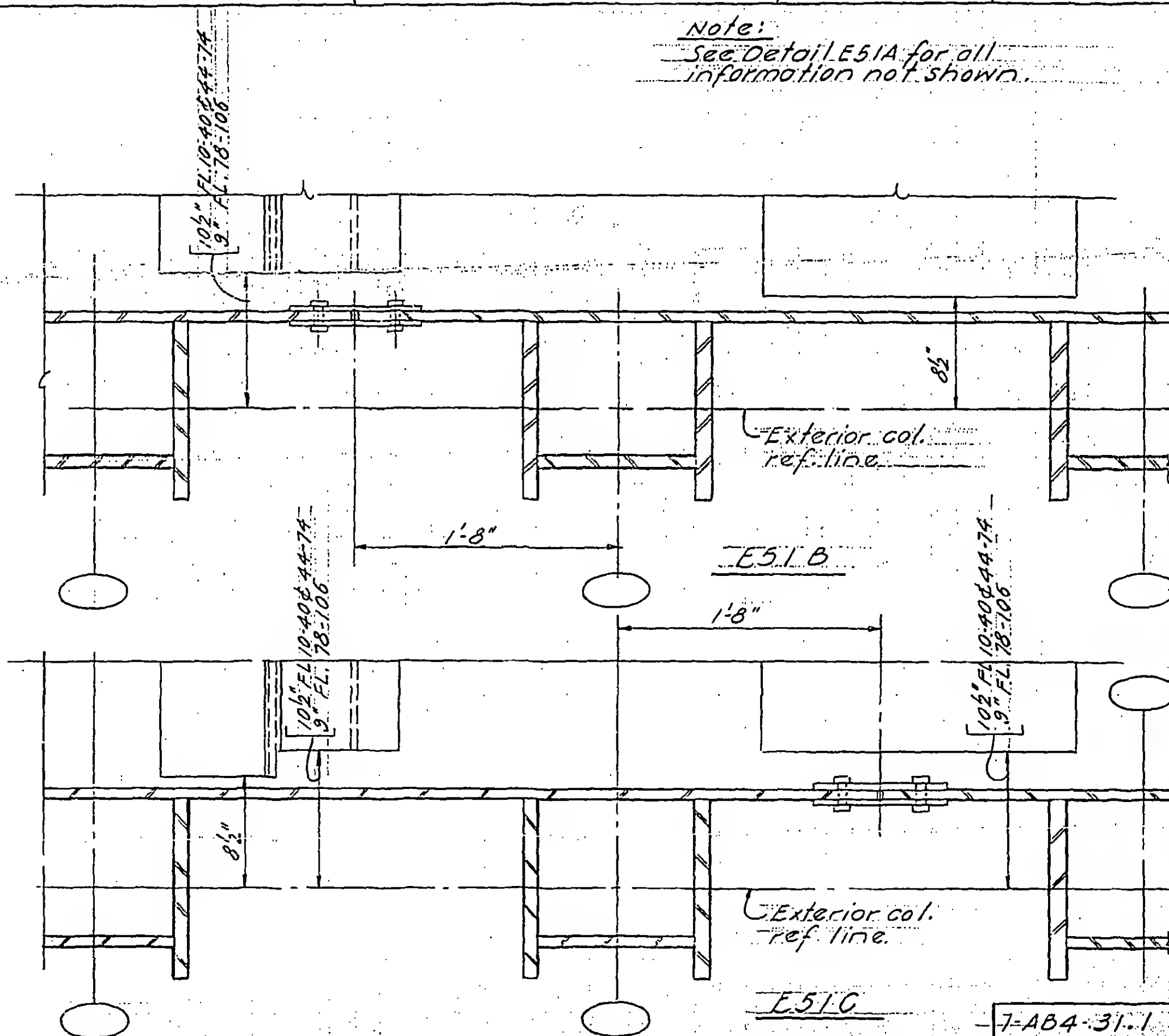
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E51B &amp; E51C

DATE 4-1-68

REVISIONS

Note:

See Detail E51A for all  
information not shown.

SKILLING, HELLE. CHRISTIANSEN, ROBERTSON.

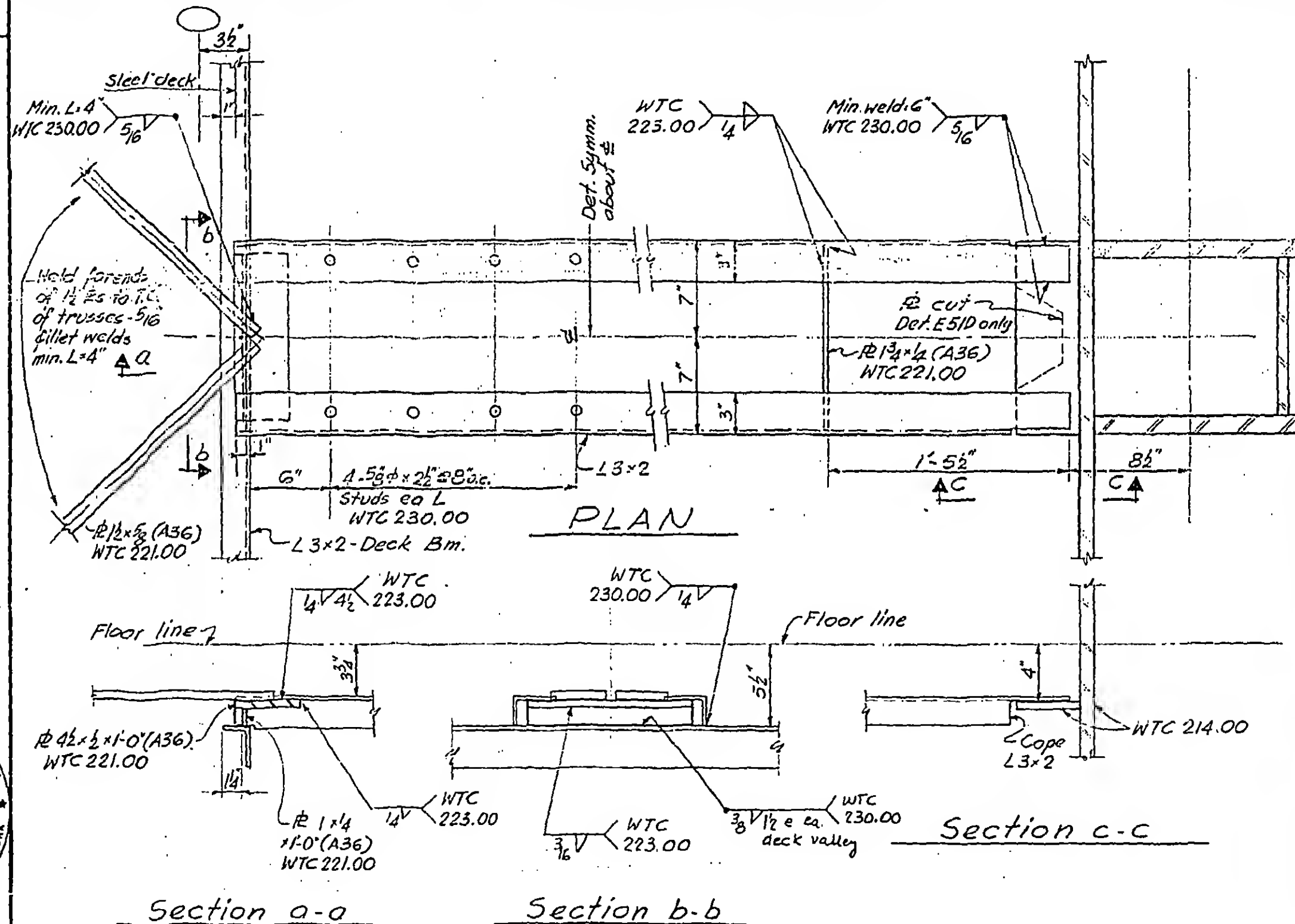
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E 51D, E 52D

DATE 1-20-69

REVISIONS



DESIGNED

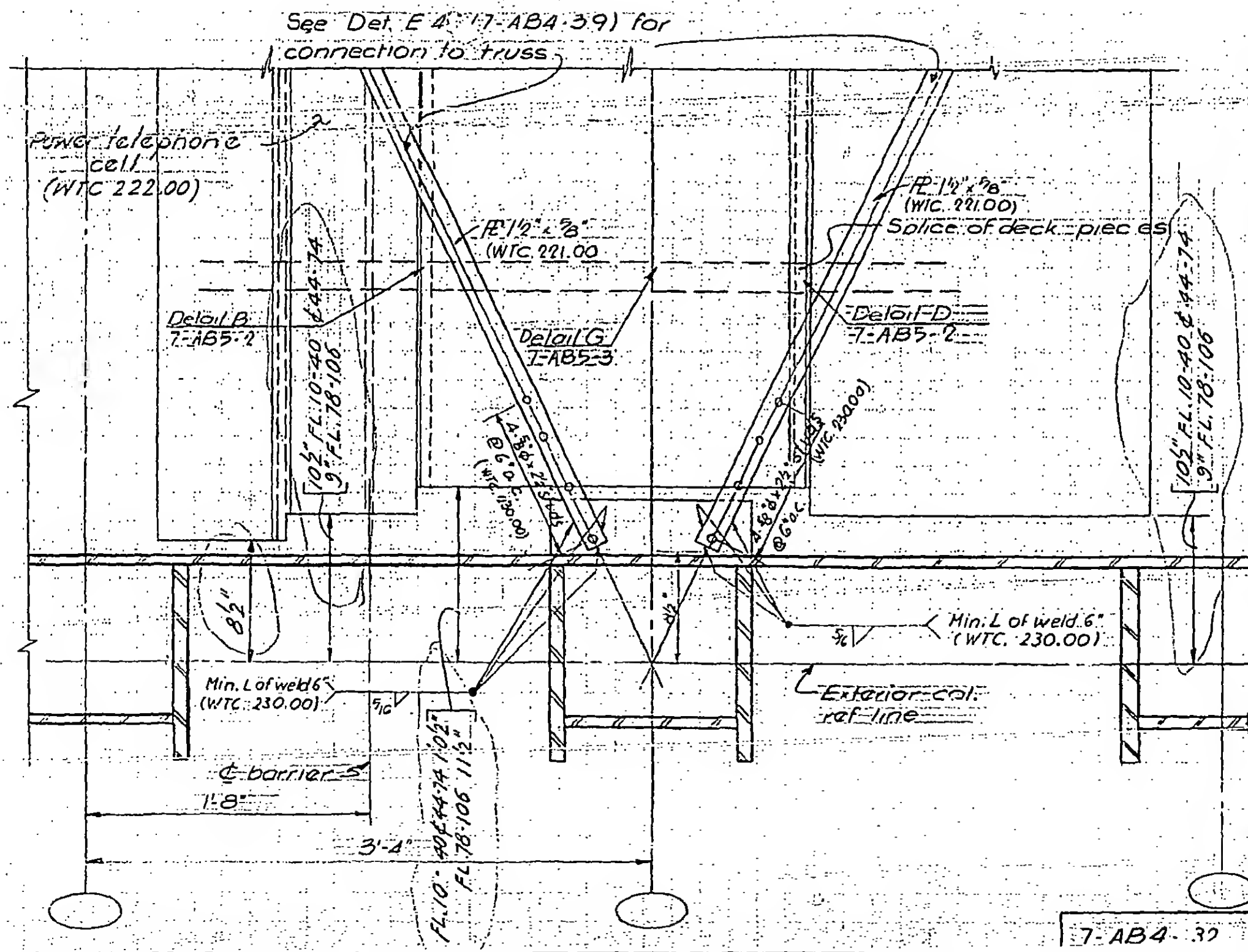
DRAWN

REVIEWED



DATE 10-20-67

1-3-68  
4-1-68



7-AB4-32

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

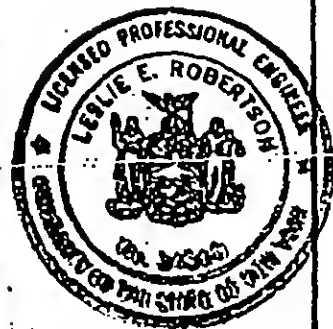
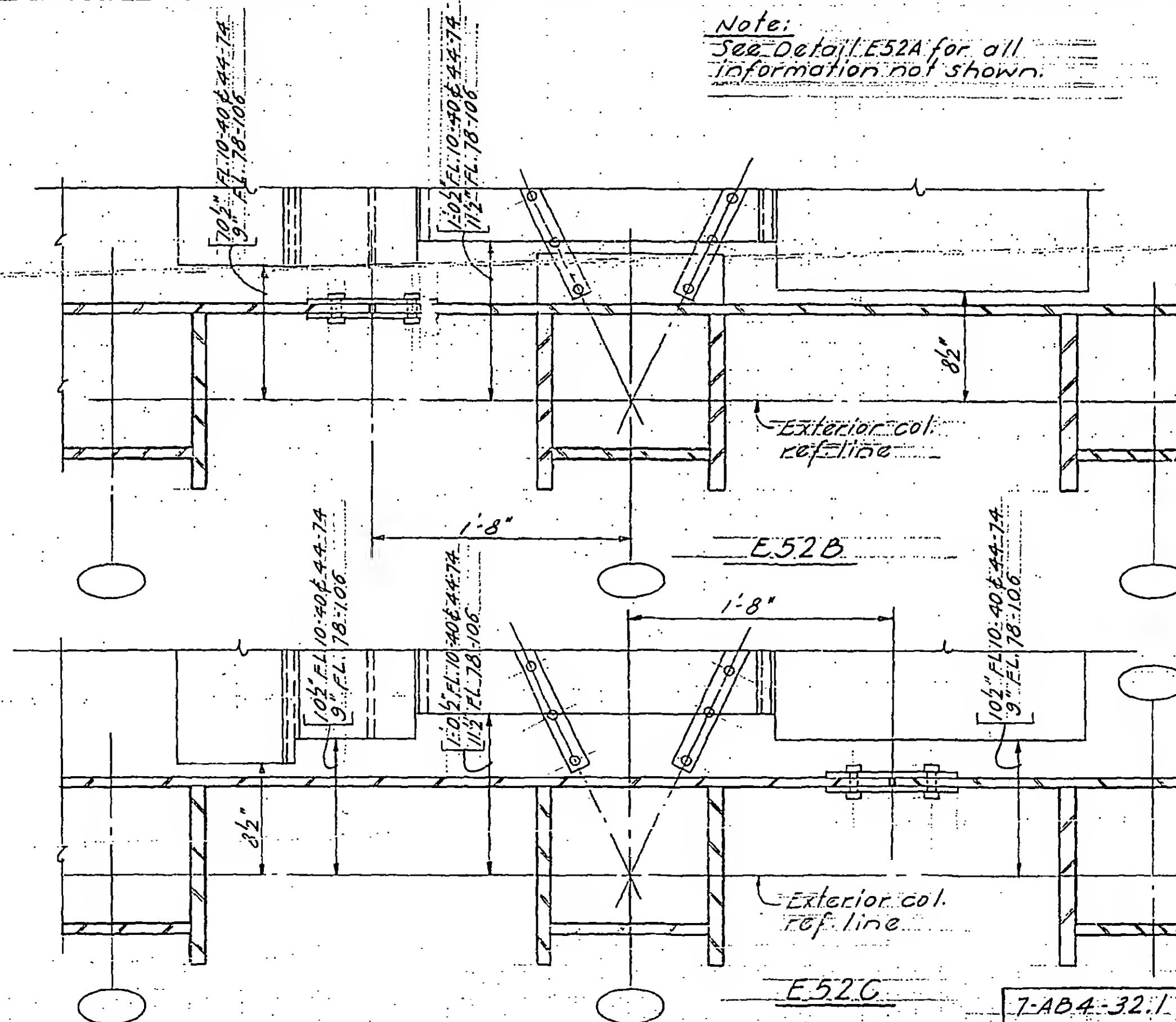
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E52B &amp; E52C

DATE 4-1-68

REVISIONS

Note:

See Detail E52A for all  
information not shown.

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

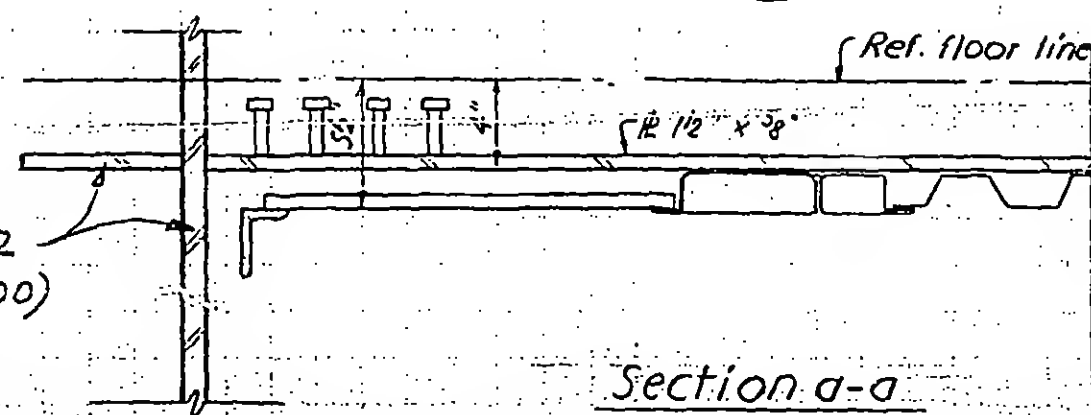
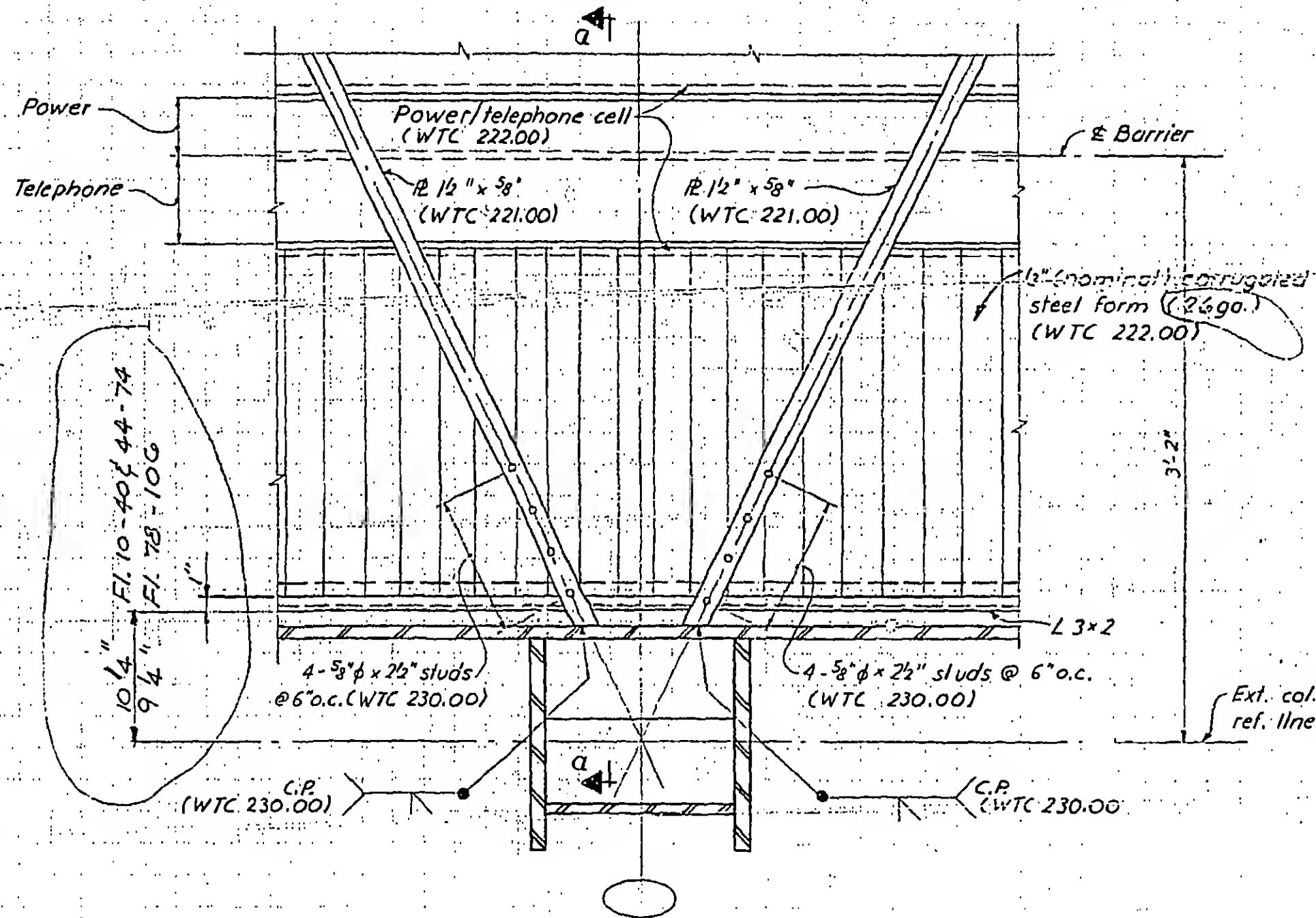
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E-53

DATE 1-3-68

REVISIONS

4-1-68



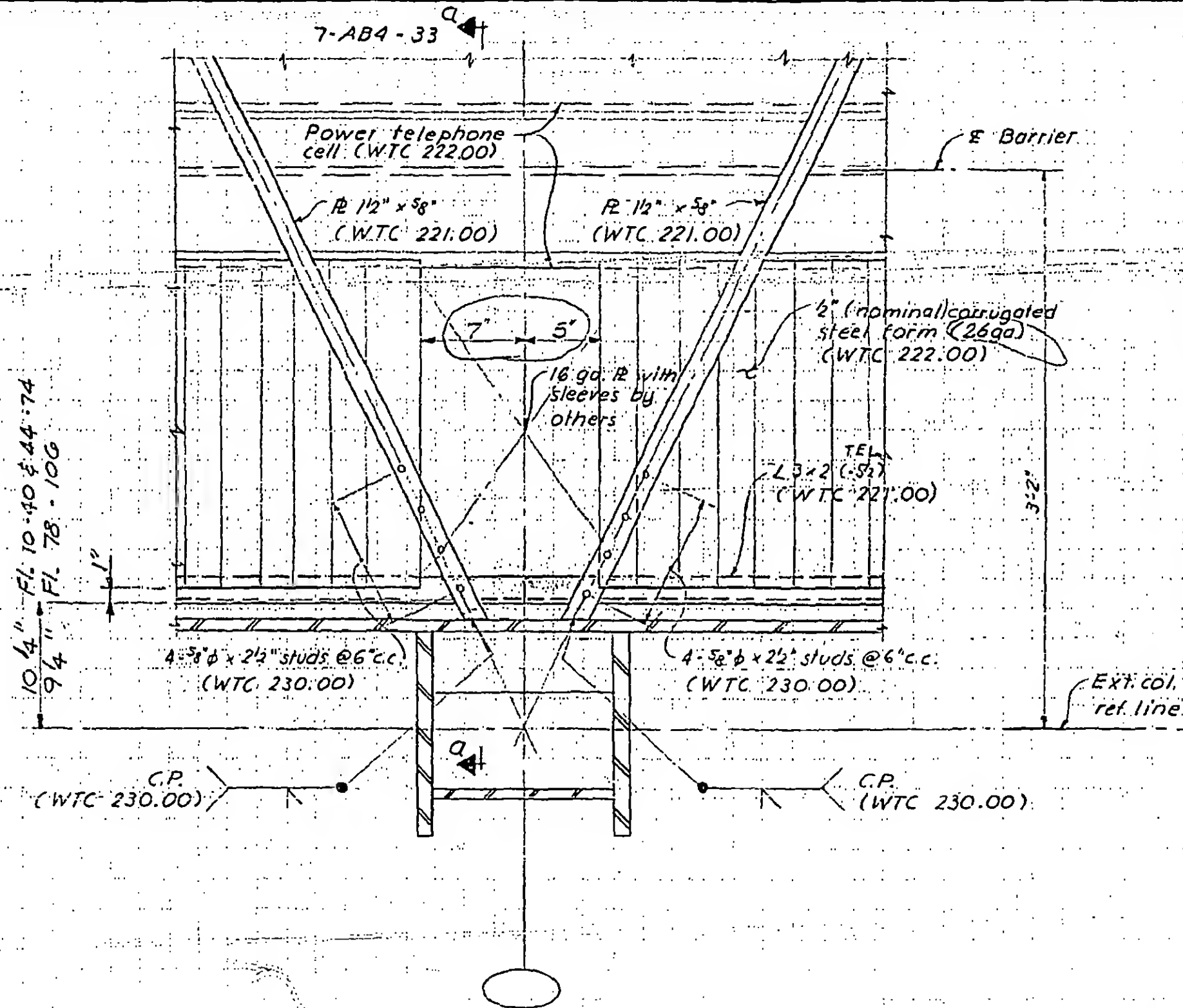
See 4-AB2 (WTC 214.00)

7-AB4-33



REVISIONS

4-1-68  
10-13-68



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

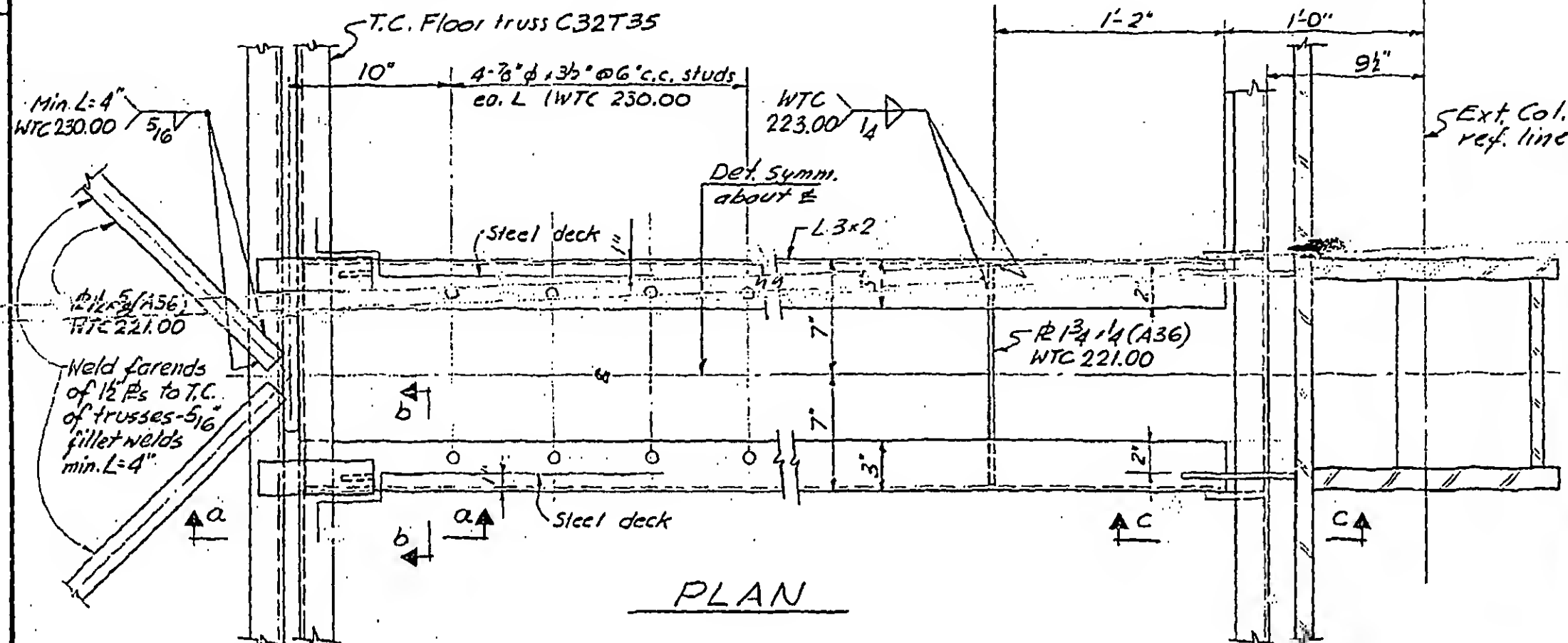
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

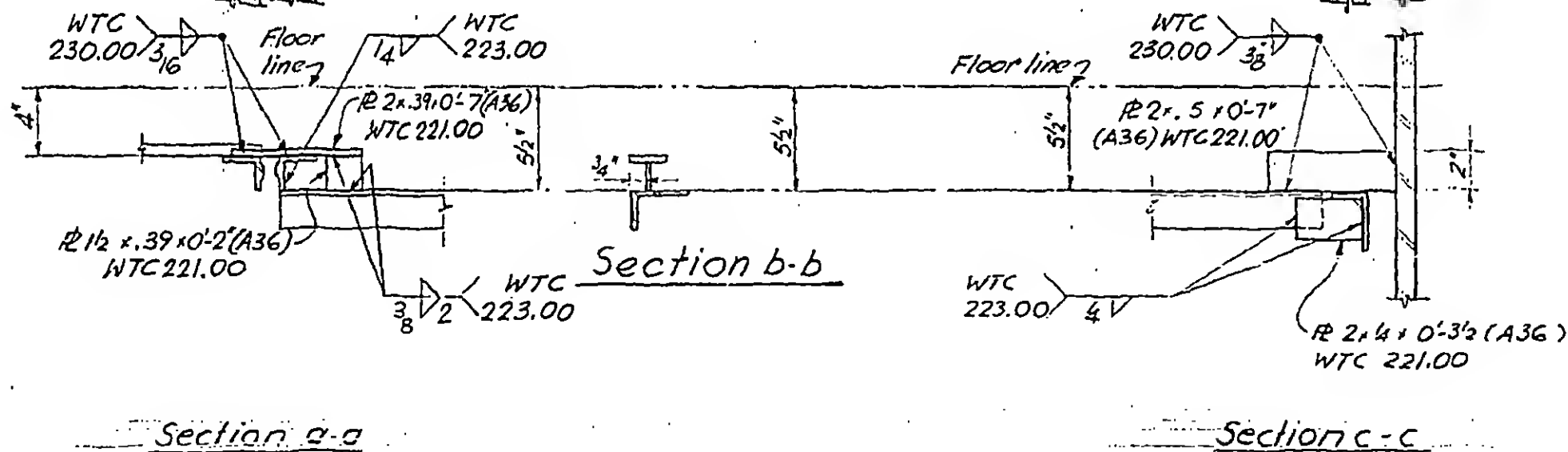
TITLE FLOOR PANEL DETAIL E 54 A

DATE 1-20-69

REVISIONS



PLAN



Section a-a

Section b-b

Section c-c



DESIGNED

DRAWN

REVIEWED

7-AB4-34.1



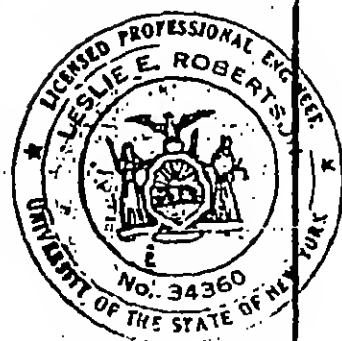
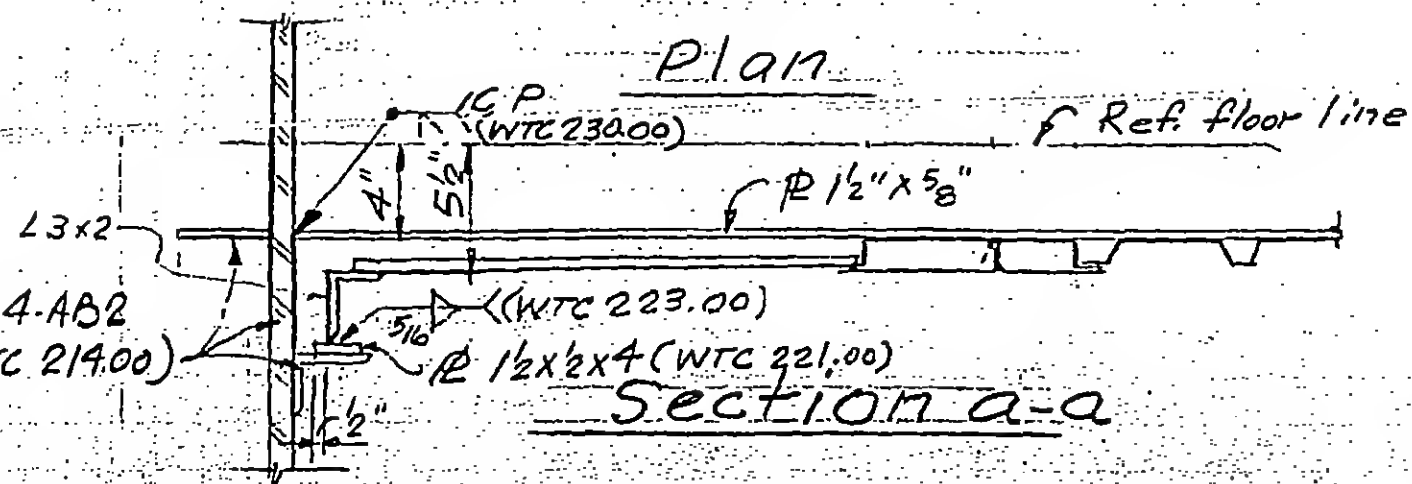
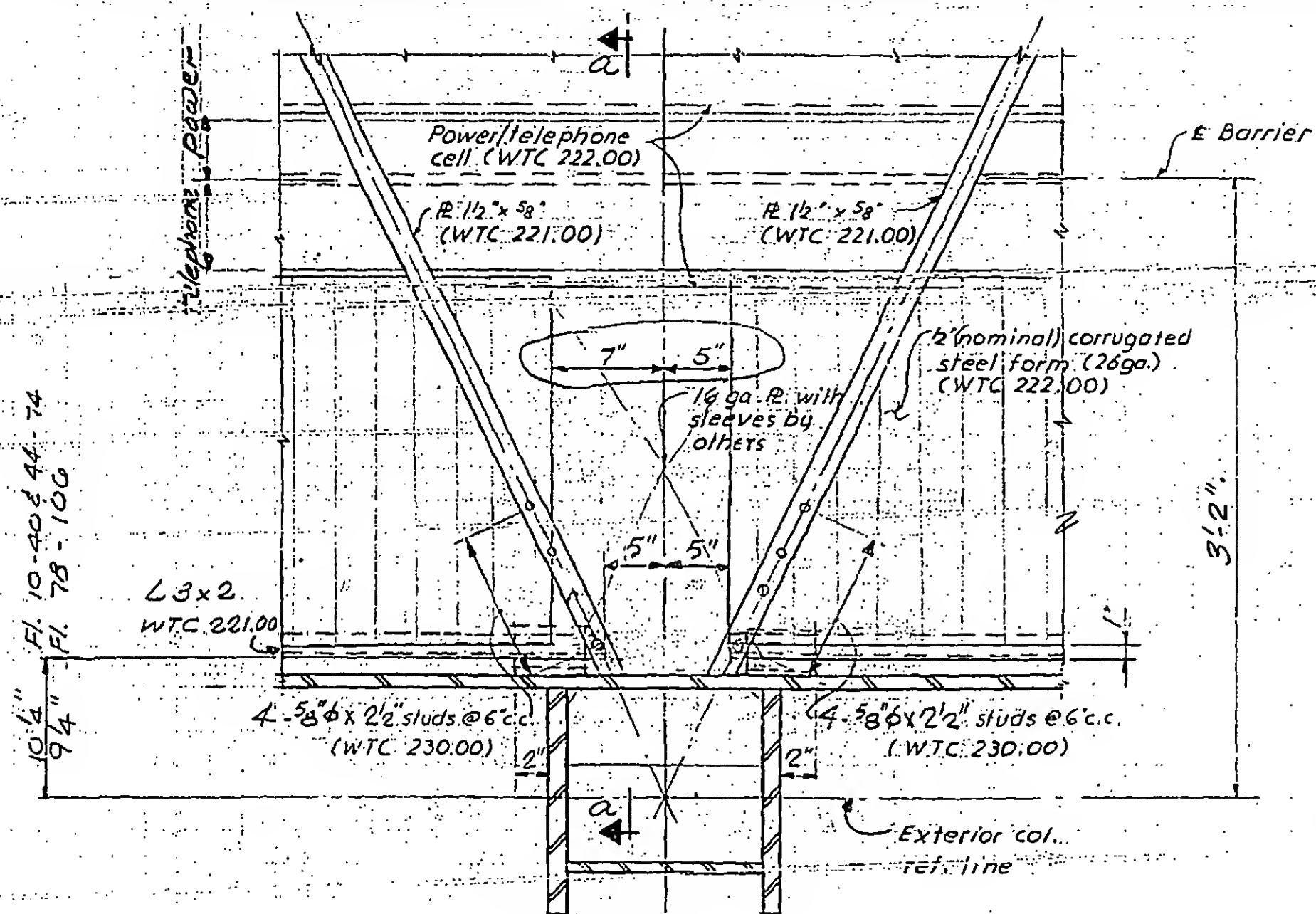
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER TITLE FLOOR PANEL DETAIL E 55

DATE 1-3-68

## REVISIONS

4-1-68  
10-15-68

7-AB4-35

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

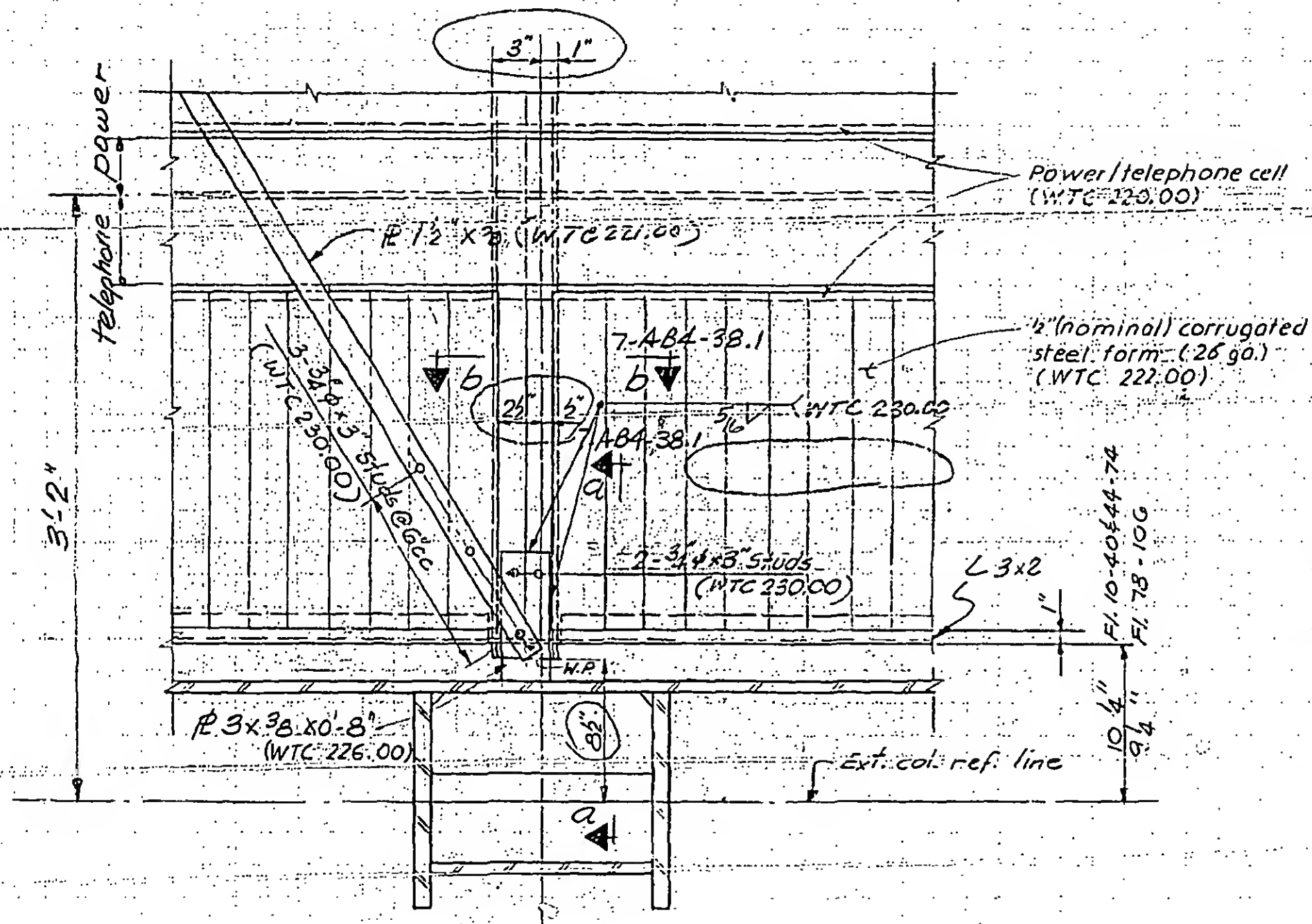
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E56

DATE 1-3-68

## REVISIONS

4-1-68  
7-22-68  
10-15-68



7-AB4-36

## Structural & Civil Engineers

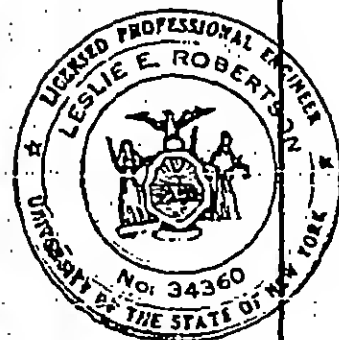
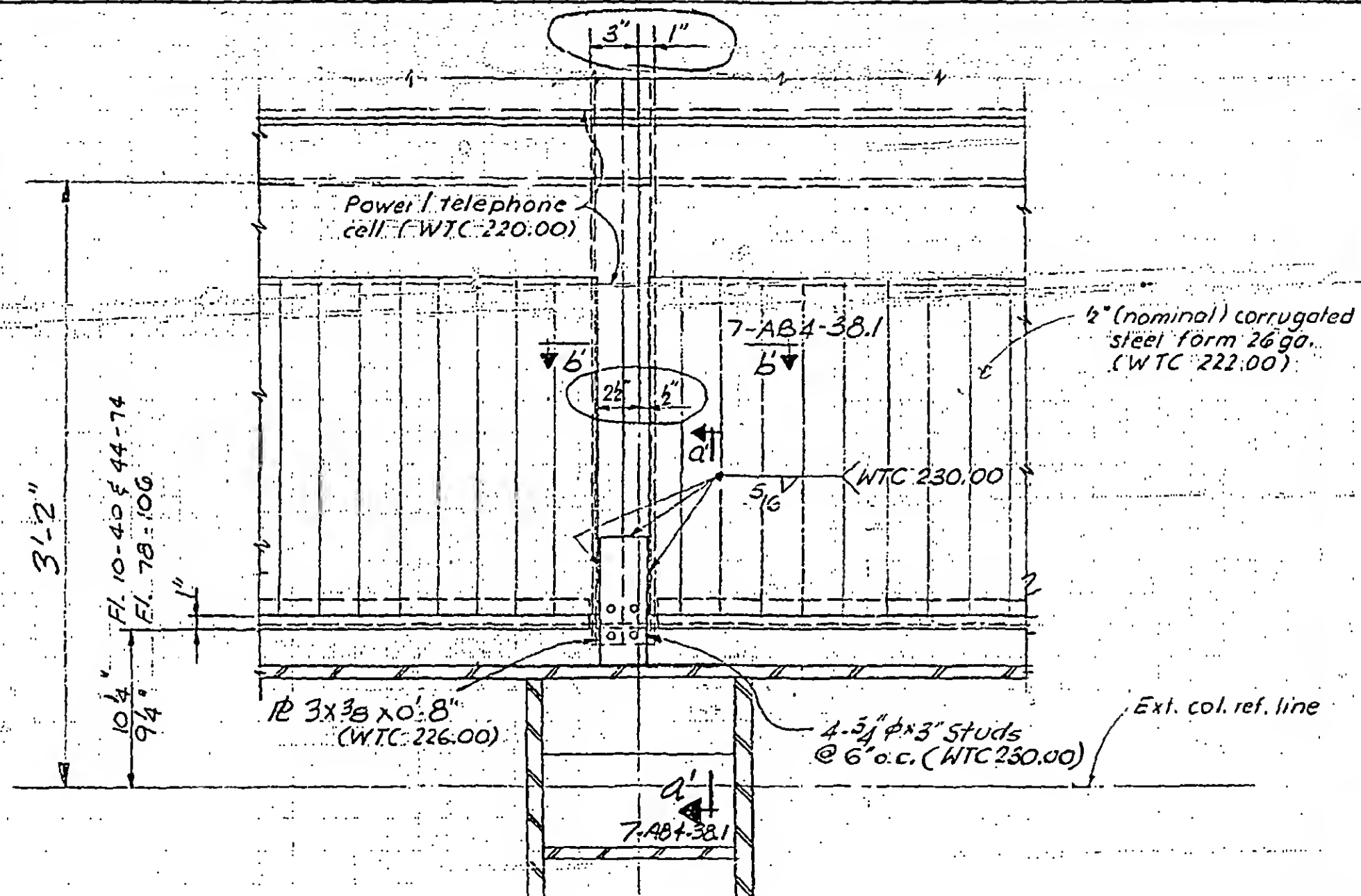
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 57

DATE 1-3-68

## REVISIONS

4-1-68  
7-22-68  
10-15-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

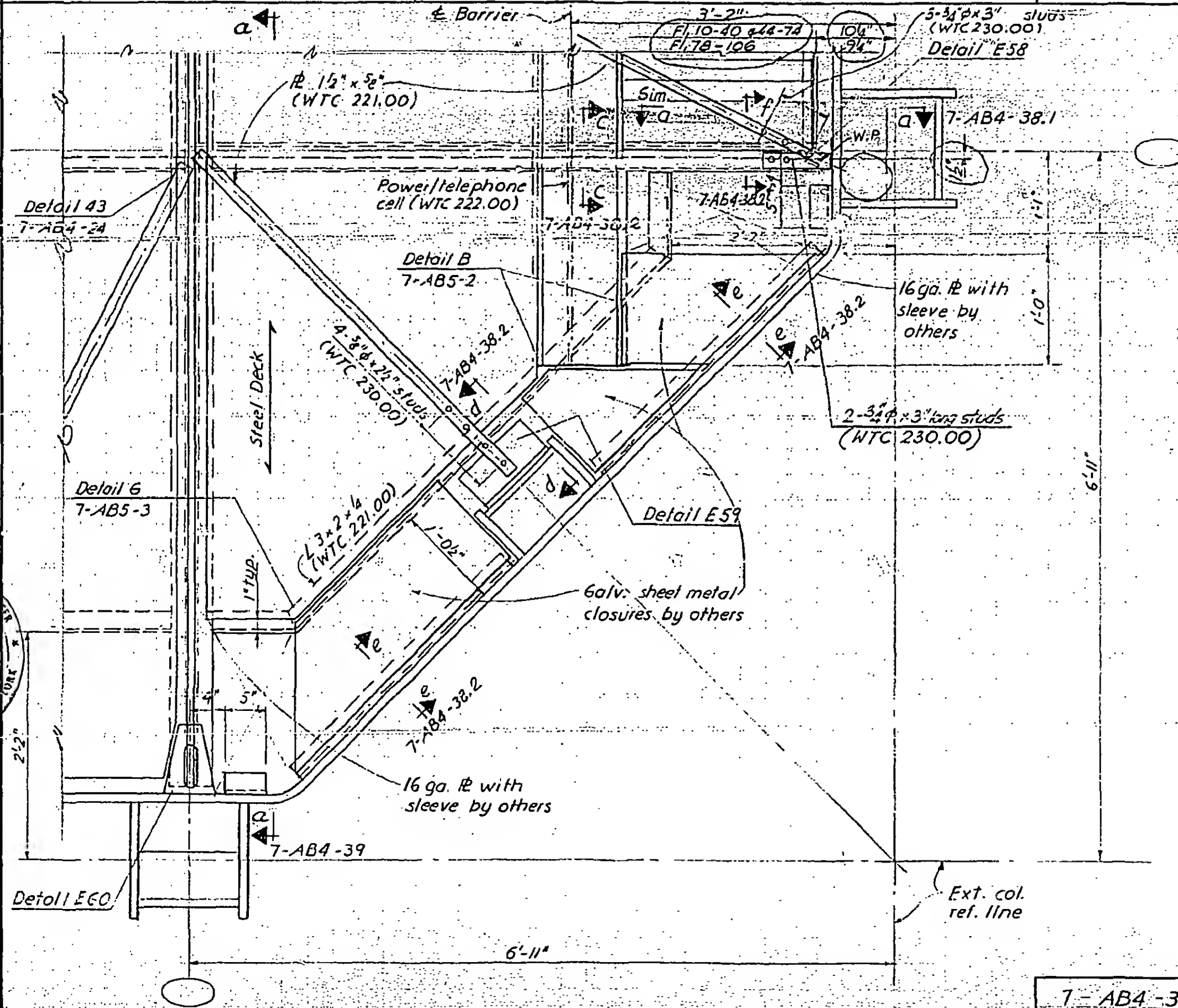
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E58, E59, E60

DATE 1-3-68

## REVISIONS

4-1-68  
7-22-68  
10-15-68

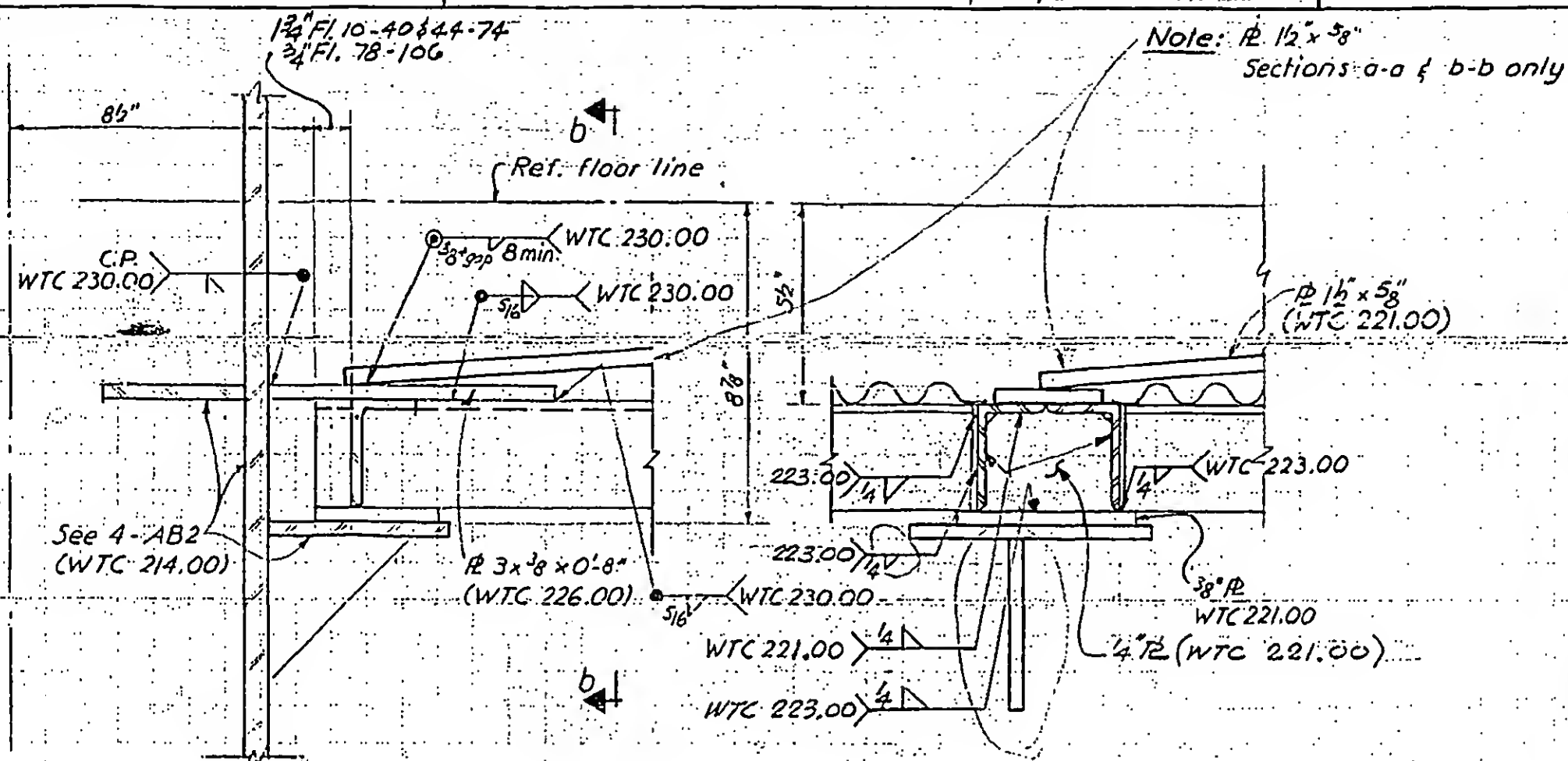


## REVISIONS

4-1-68

7-22-68

10-15-68

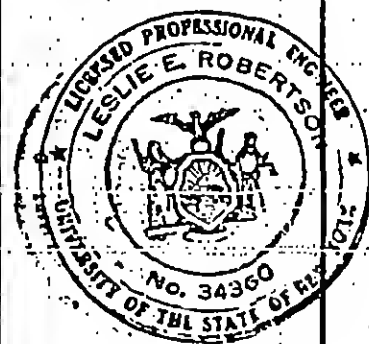


Section a-a

Section a'-a' (as noted)

Section b-b

Section b'-b' (as noted).





PROJECT

THE WORLD TRADE CENTER

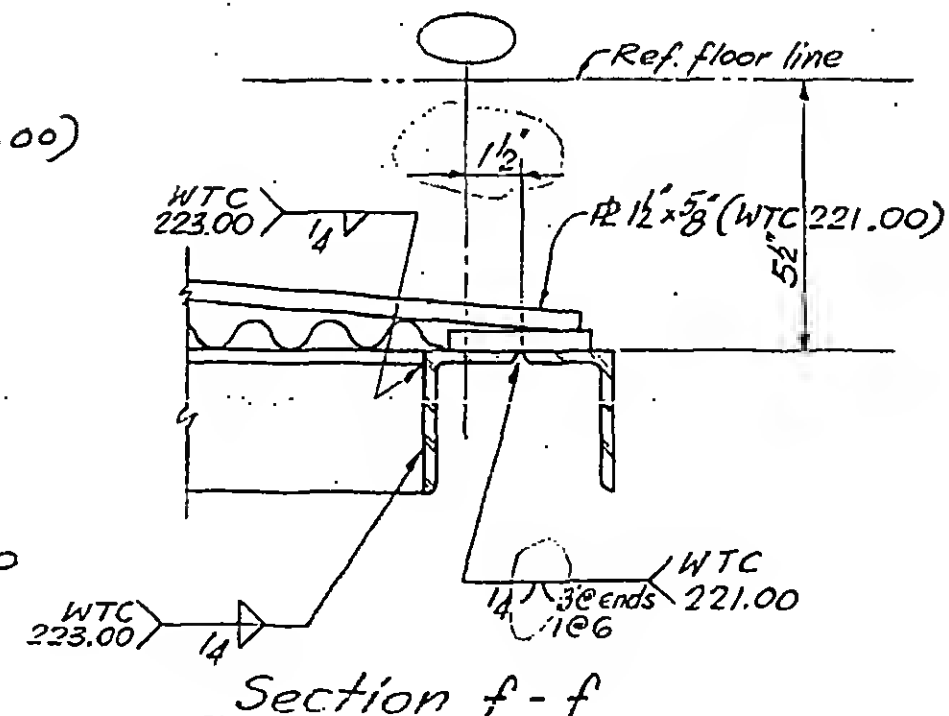
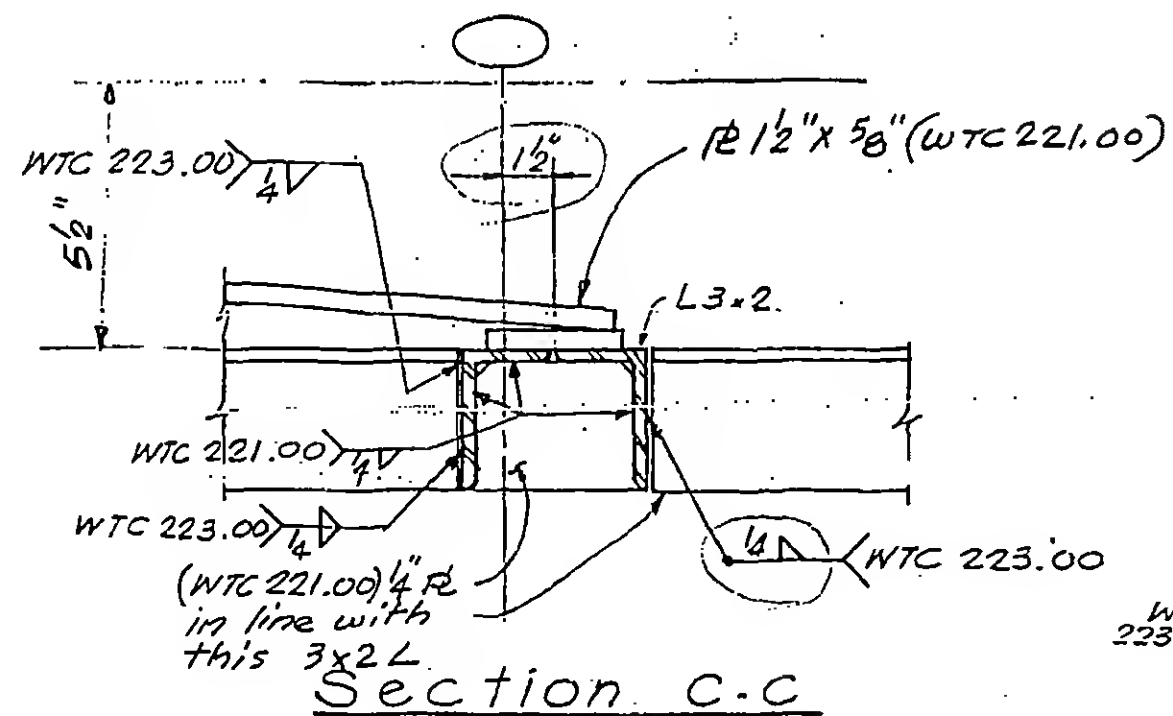
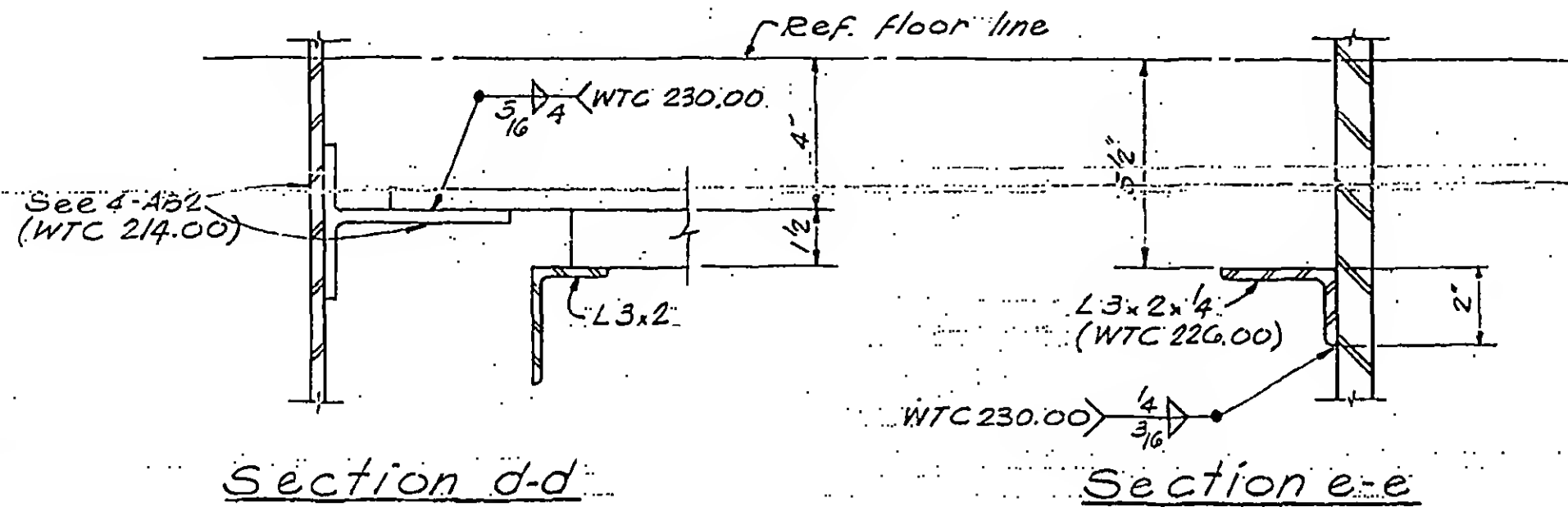
TITLE

FLOOR PANEL DETAIL E 58, E 59

DATE

4-1-68

## REVISIONS

7-22-68  
10-15-68

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural &amp; Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANEL DETAIL E 59A

DATE

1-20-69

REVISIONS

Sim. del. E 43  
7-ABA-24

6"

6"

2-5/8"  $\phi$  x 2 1/2" studs ea. L  
@ 6" c.c. (WTC 230.00)

L 3 x 2 x 1/4 (WTC 221.00)

Min L =  
4' ea. L  
WTC  
230.00WTC  
223.00  
3  
1-6WTC  
230.00  
5/16" 4

Plan

Floor truss  
C 32 T 35

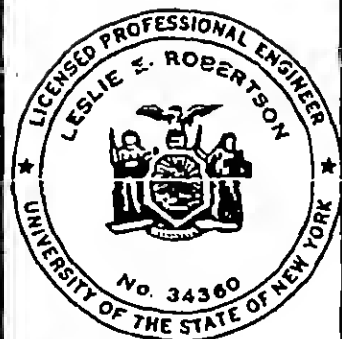
6'-11"

Ext. column  
ref. line

Floor line

See 4-AB2  
(WTC 214.00)

Section a-a



DESIGNED

DRAWN

REVIEWED

7-ABA-38.3

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

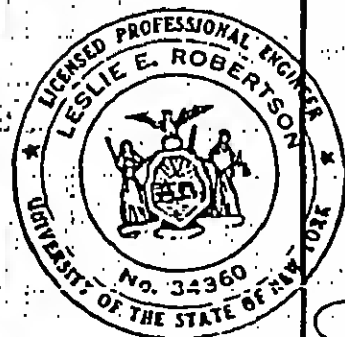
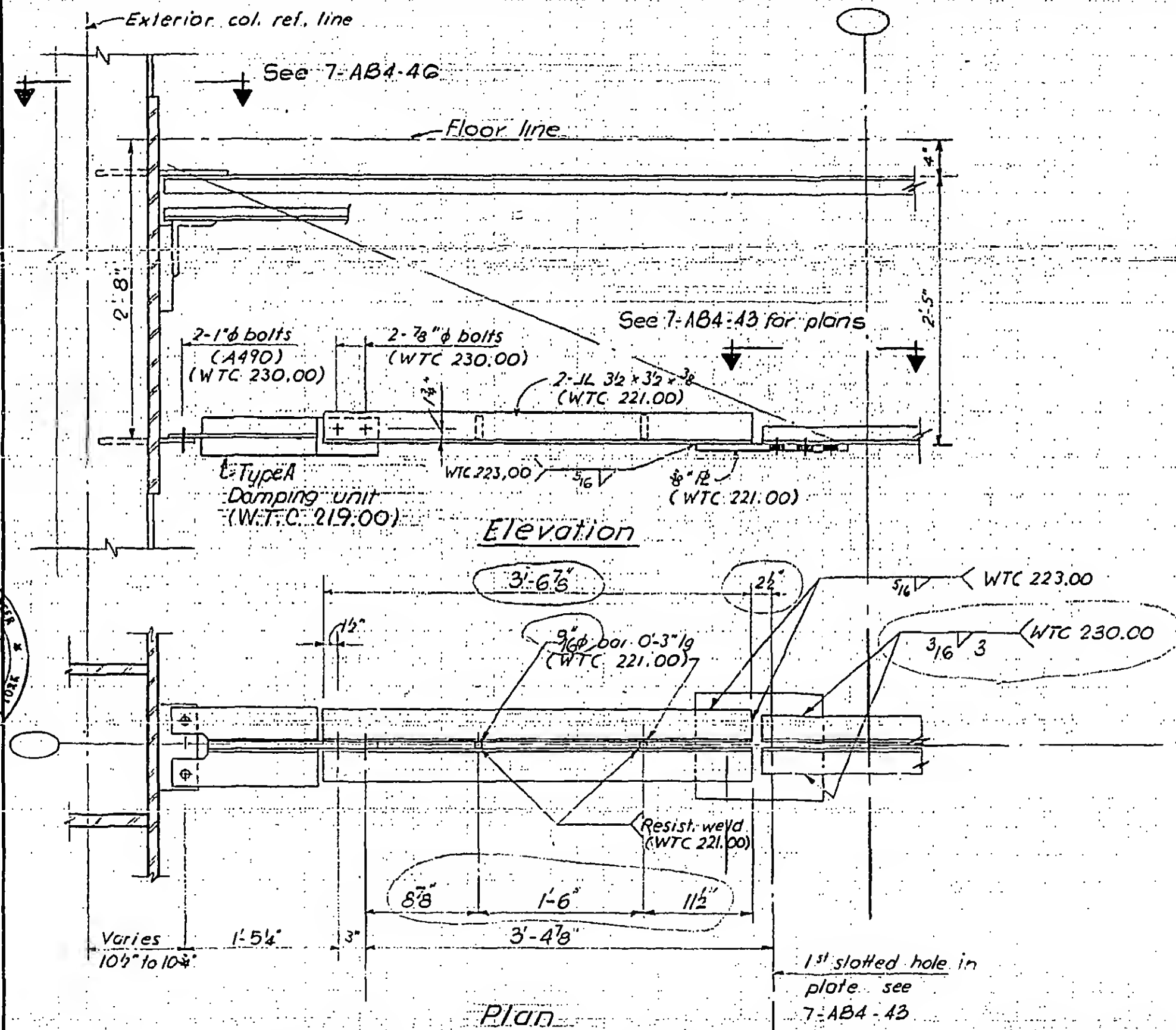
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 60

DATE 1-3-68

REVISIONS

7-22-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

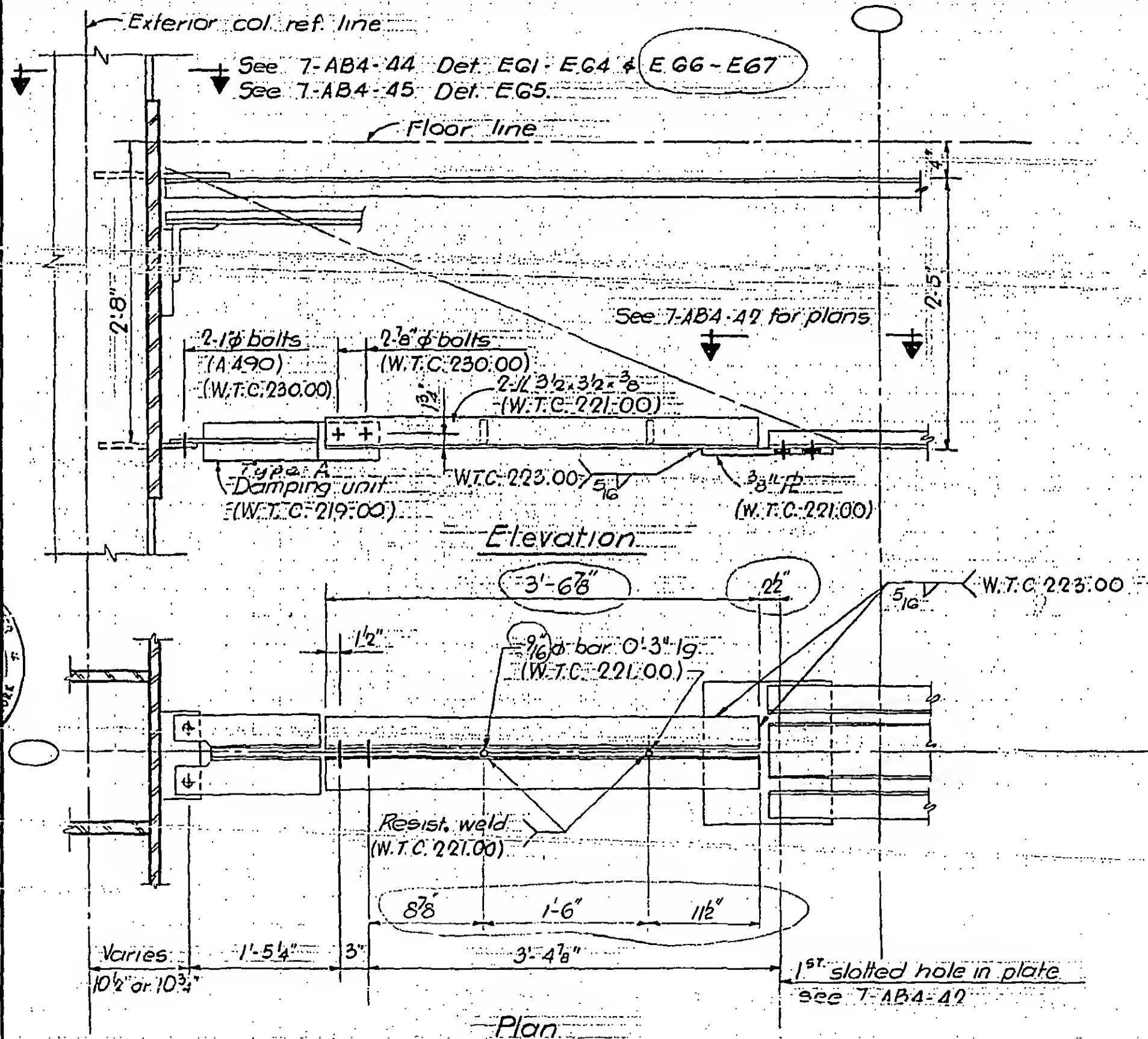
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E61 TO E67

DATE 10-20-67

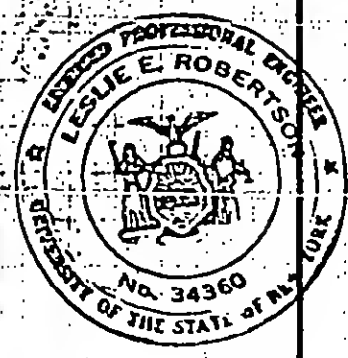
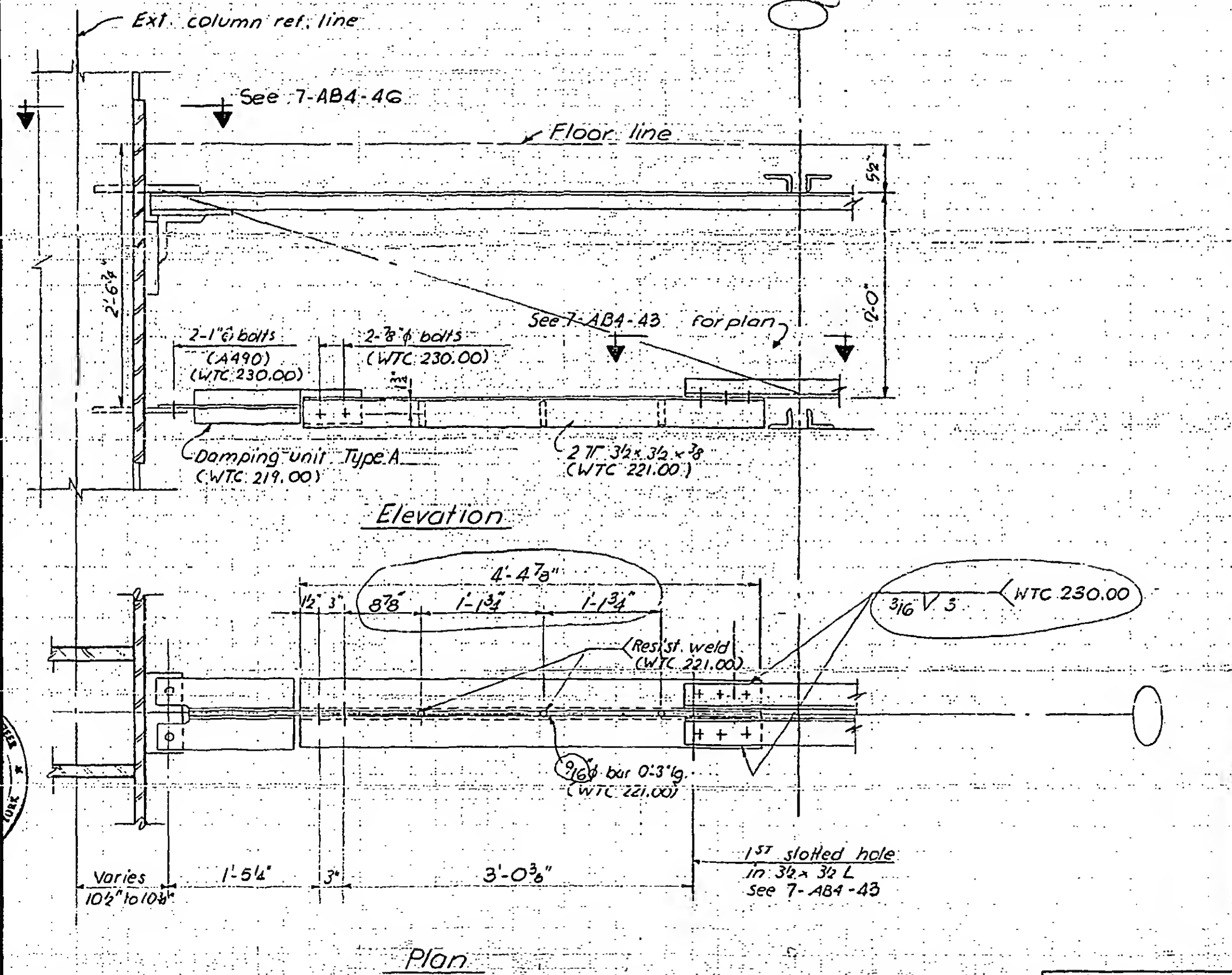
## REVISIONS

1-3-68  
7-22-68



7-AB4-40

REVISIONS
1-3-68
7-22-68





SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

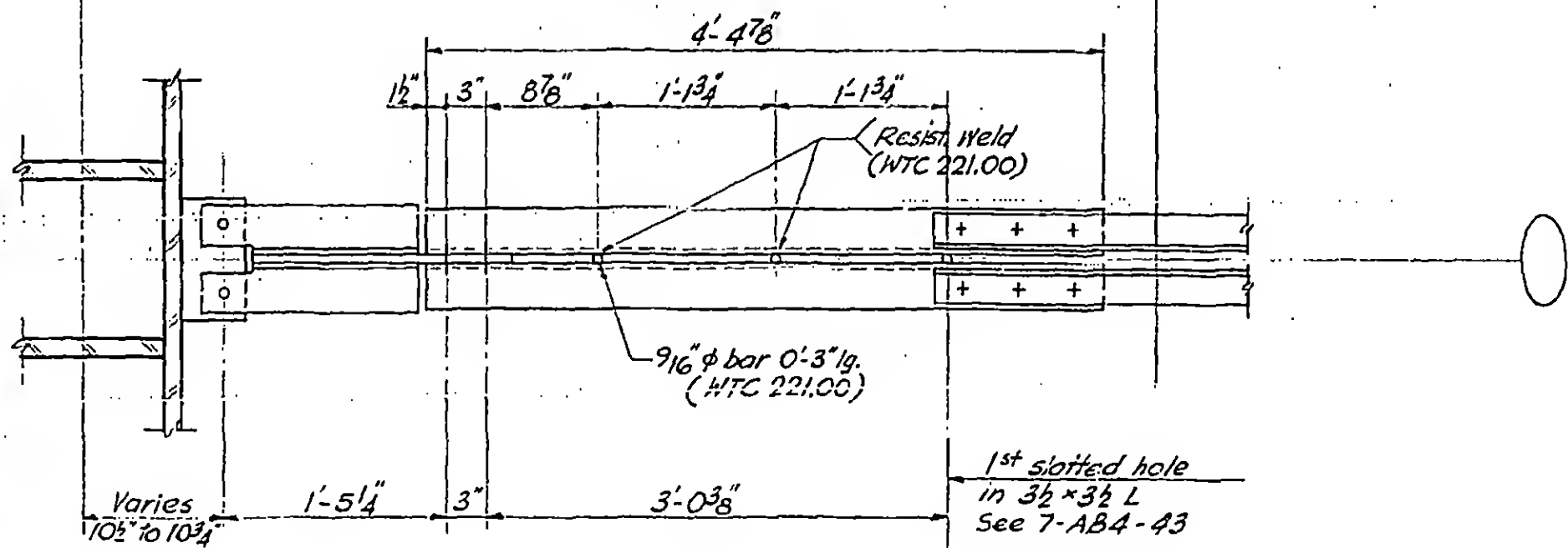
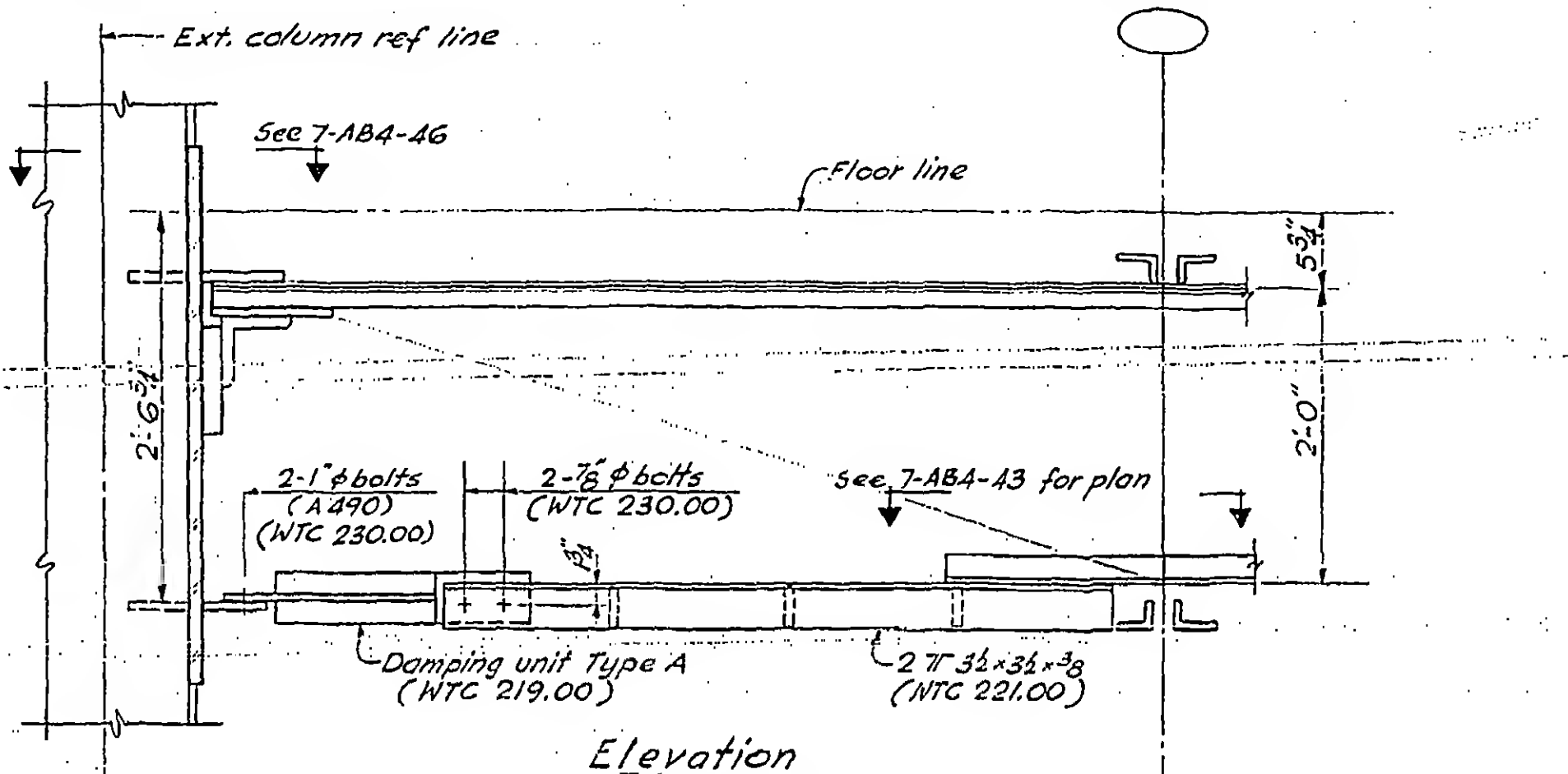
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E68

DATE 7-22-68

## REVISIONS



DESIGNED

DRAWN

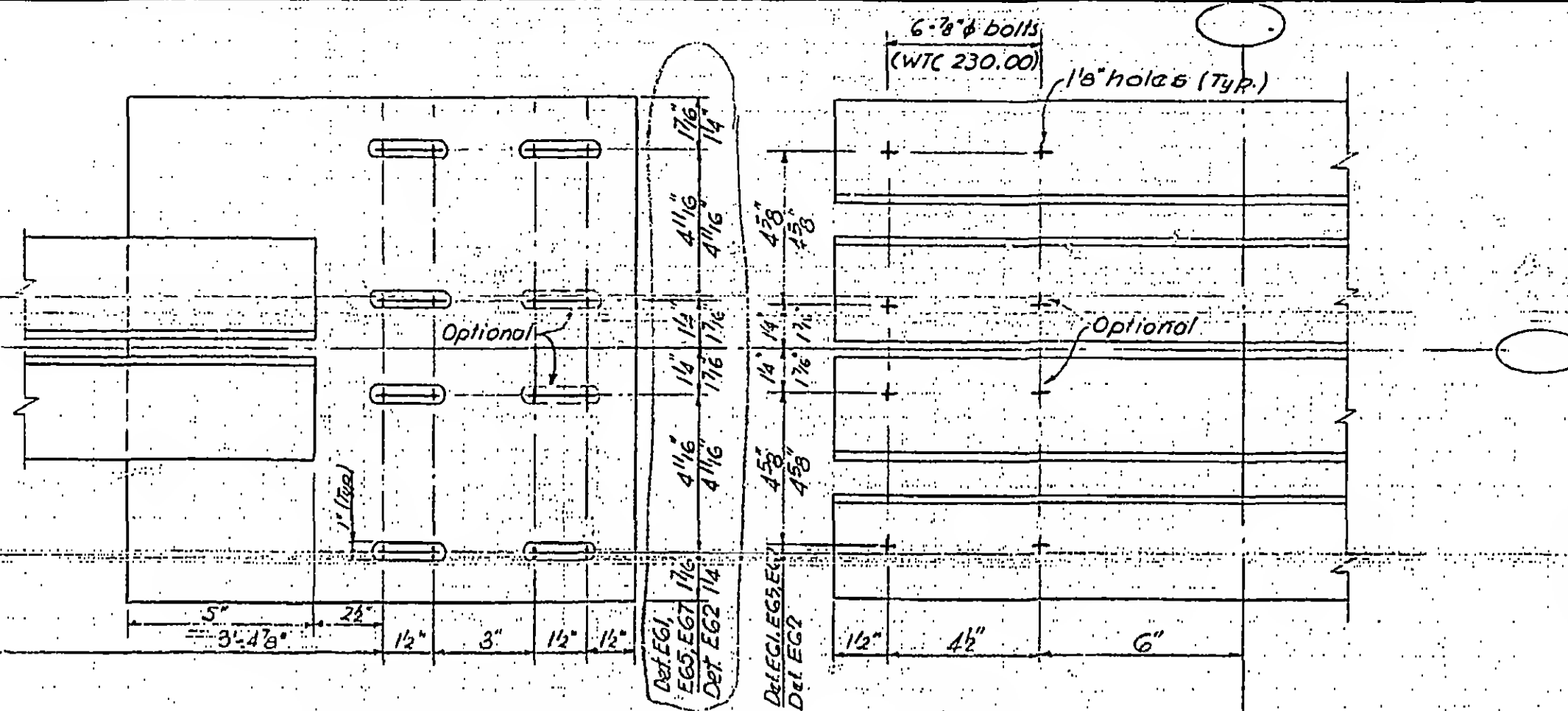
REVIEWED

89

7-AB4-41.1

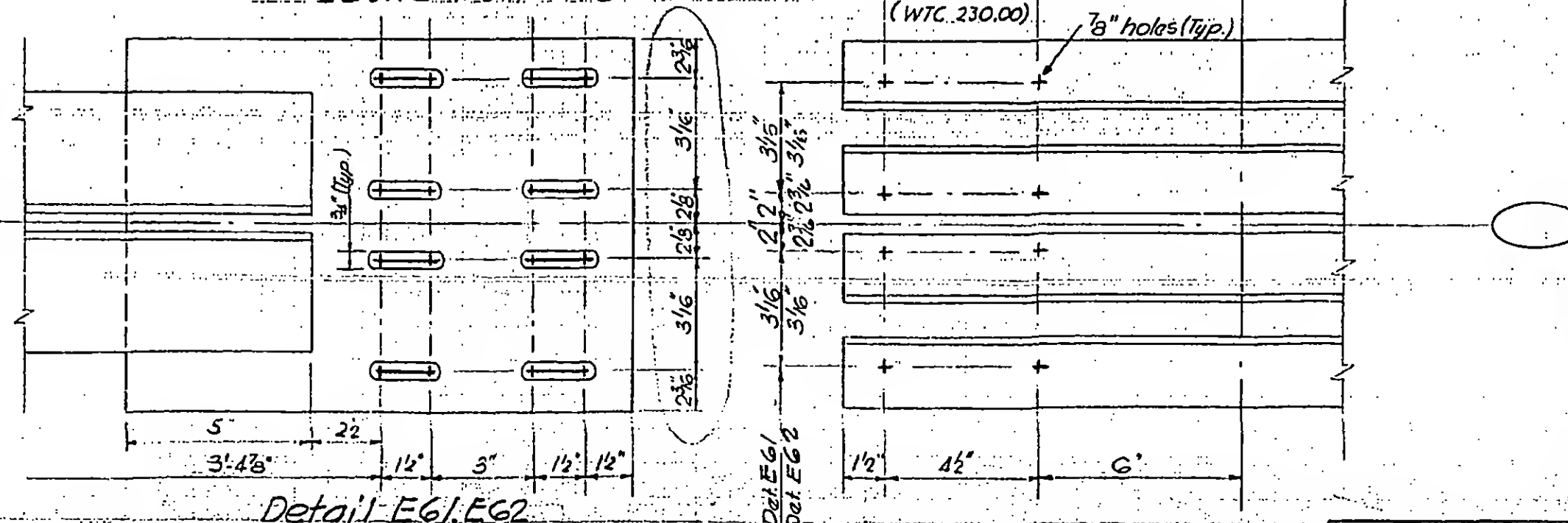
## REVISIONS

1-3-68  
4-1-68  
7-22-68  
10-15-68



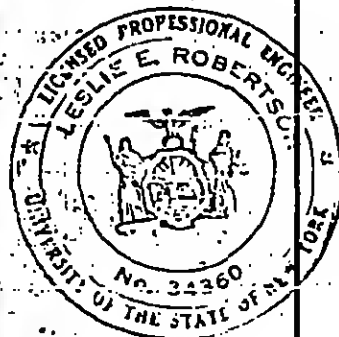
Detail EG1, EG2, EG5, & EG7

1L 3x2 Bottom chord



Detail E61, E62

LL 2x12 Bottom chord



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

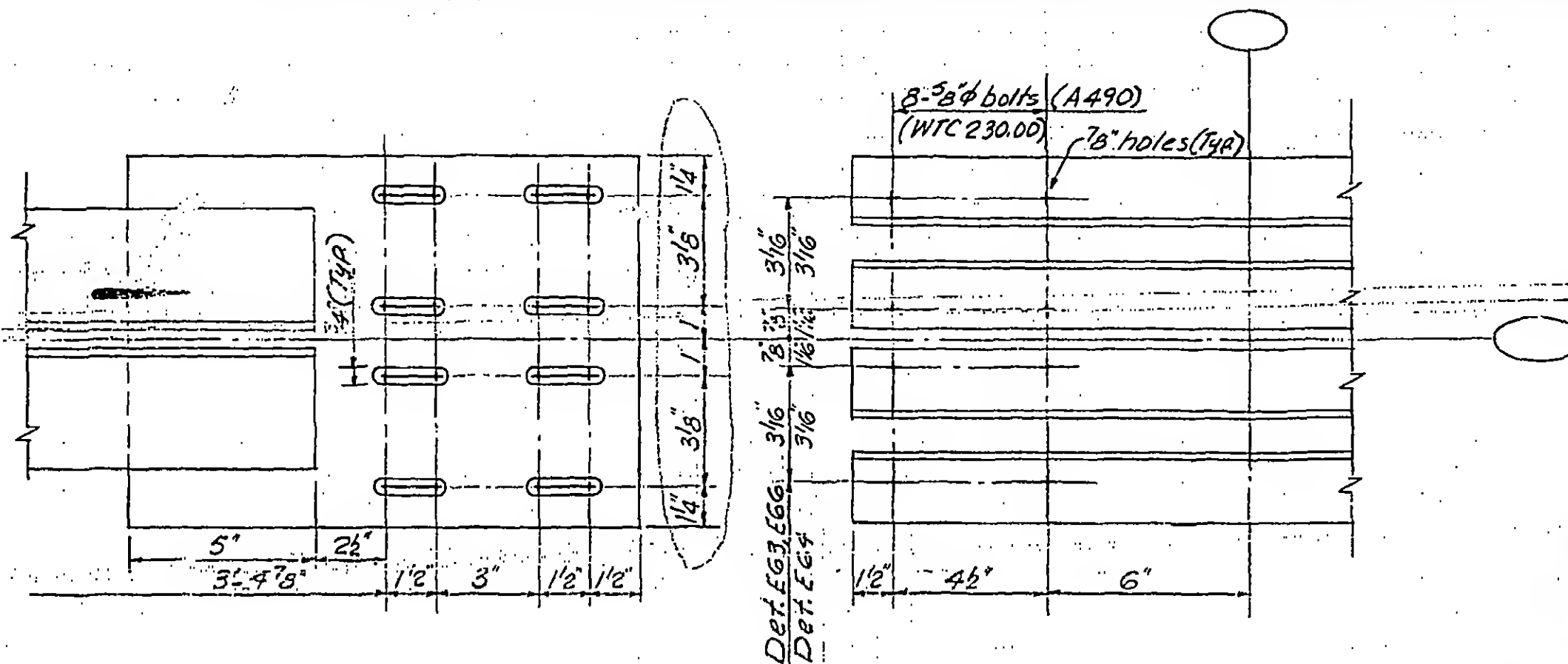
PROJECT THE WORLD TRADE CENTER

TITLE DAMPER CONNECTION DETAIL E61 TO E67

DATE 10-20-67

## REVISIONS

1-3-68  
4-1-68  
7-22-68  
10-15-68

Detail E63, E64 & E66

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

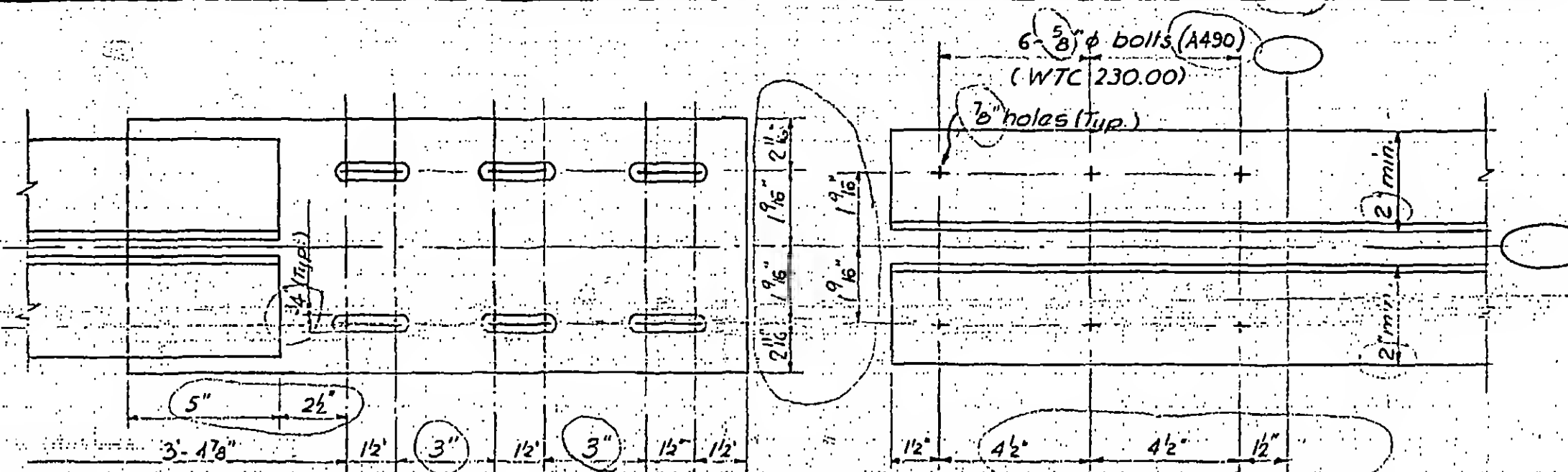
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

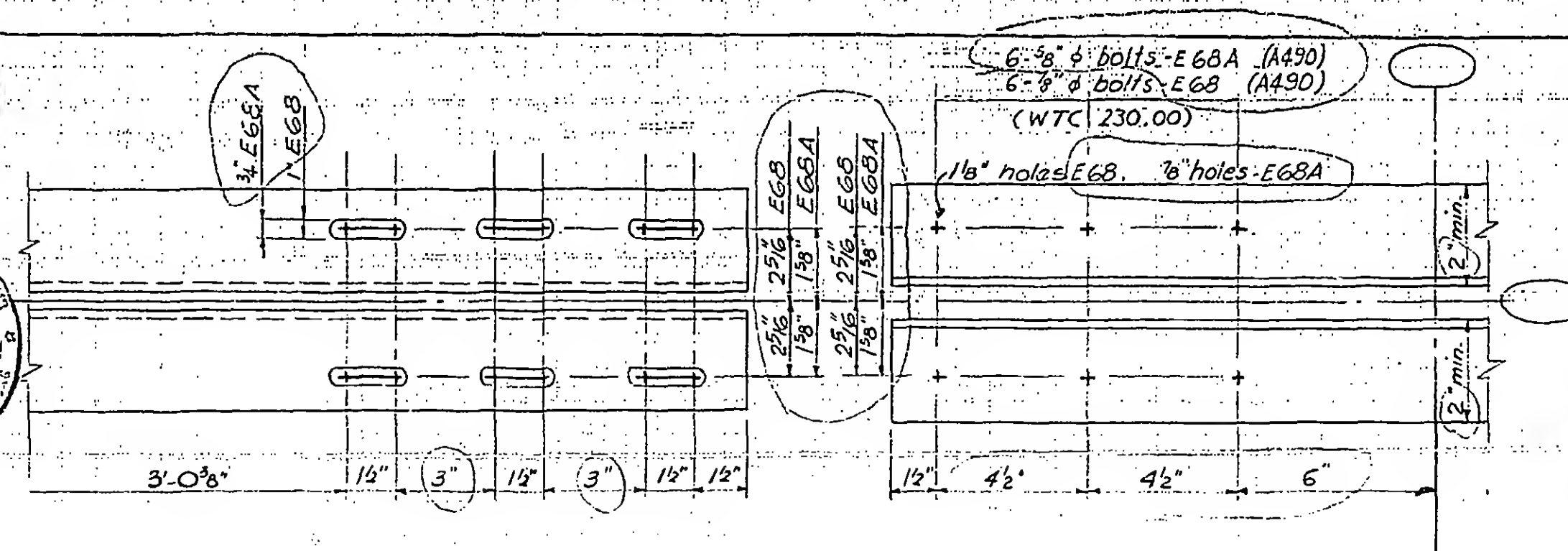
TITLE DAMPER CONNECTION DETAIL E60, E68 &amp; E68A

DATE 10-20-67

## REVISIONS

1-3-68  
7-22-68

Detail E60



Detail E68 &amp; E68A



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

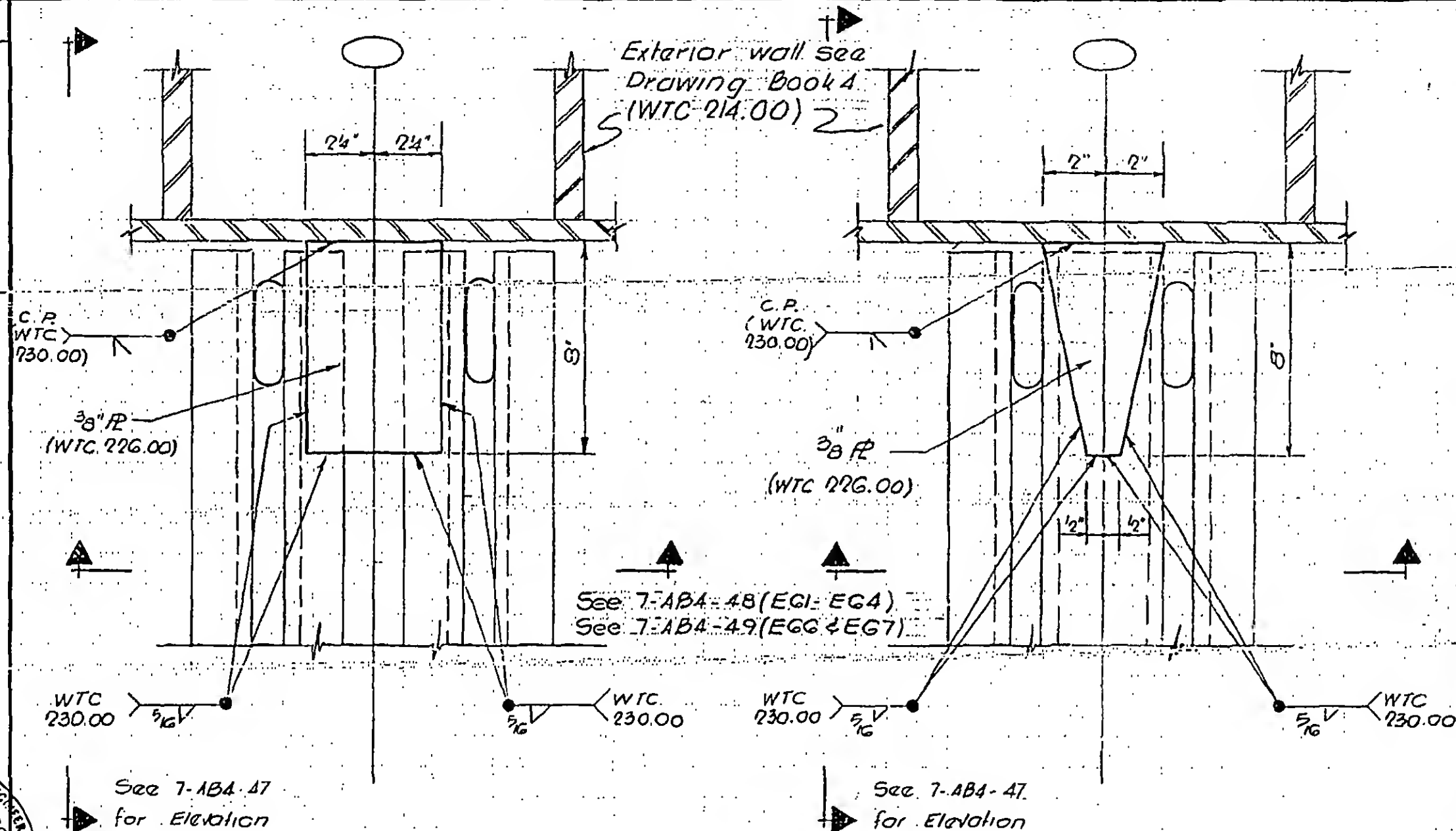
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL EGI, EG2, EG3, EG4, EGG &amp; EG7

DATE 10-20-67

REVISIONS

1-3-68

Detail EGI, EG2 & EG7Detail EG3, EG4 & EGG

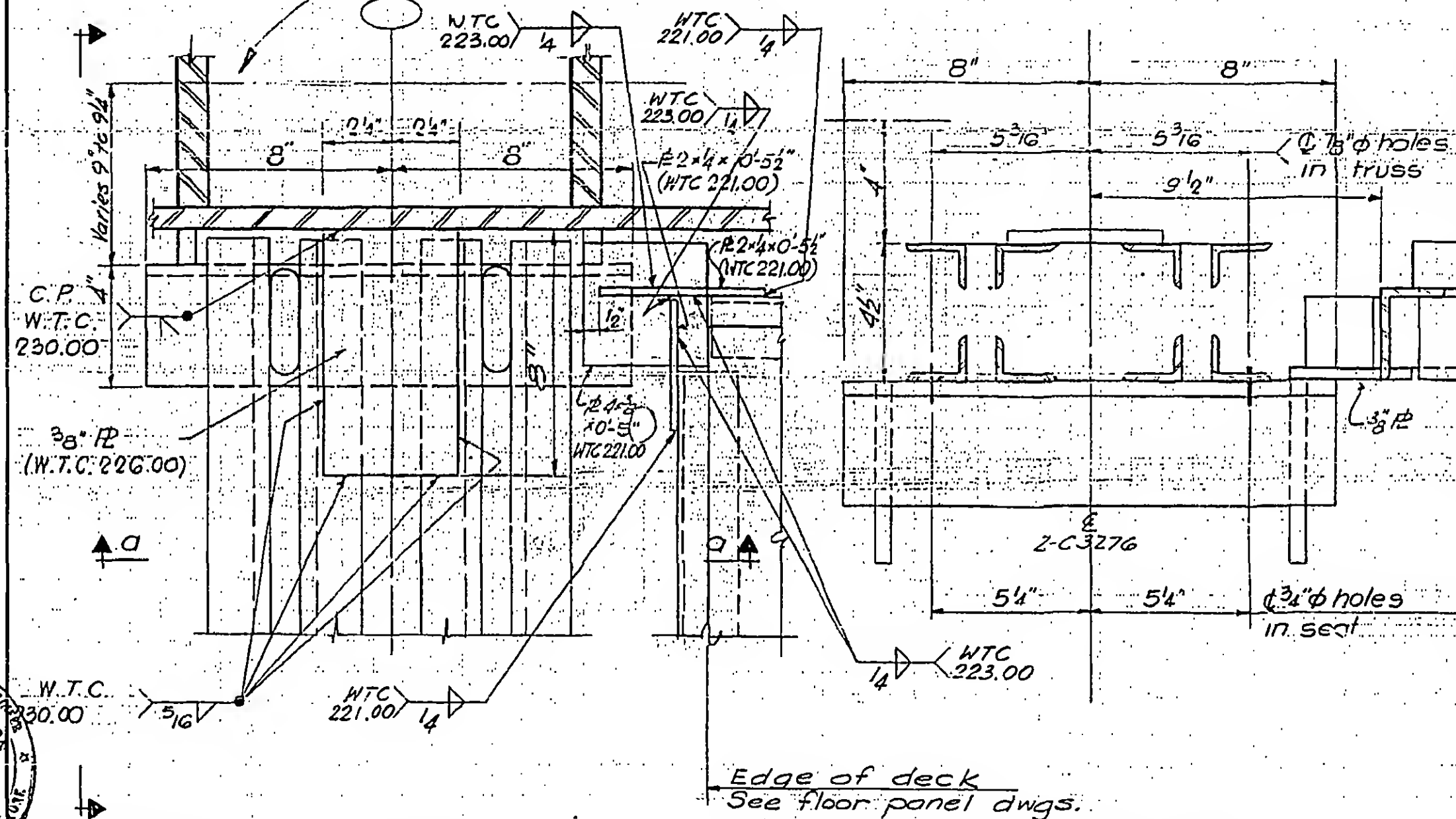
7-AB4-44



## REVISIONS

4-1-68  
7-22-68  
10-15-68  
12-20-68

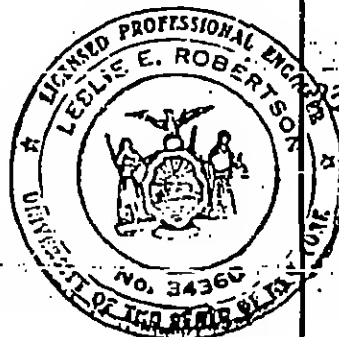
Exterior wall see  
Drawing Book 4  
(W.T.C. 214.00)



See 7-AB4-47  
for Elevation

## Plan

Section a-a



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

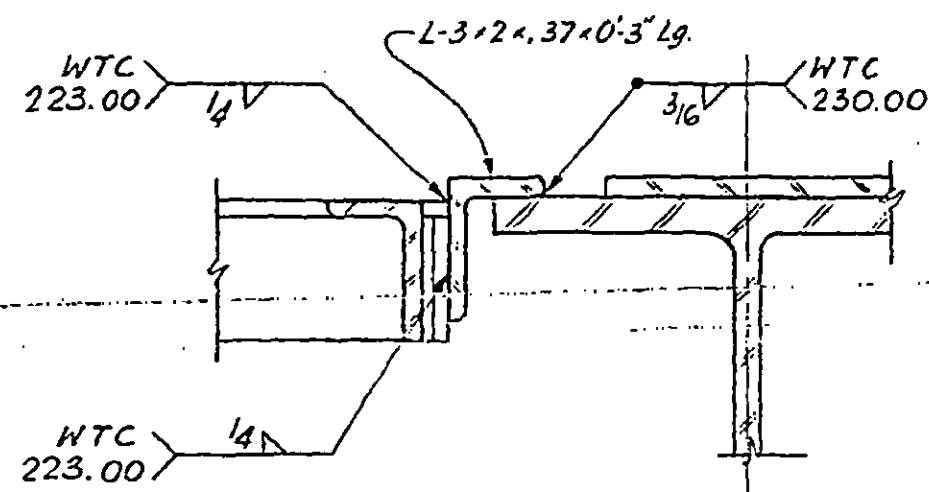
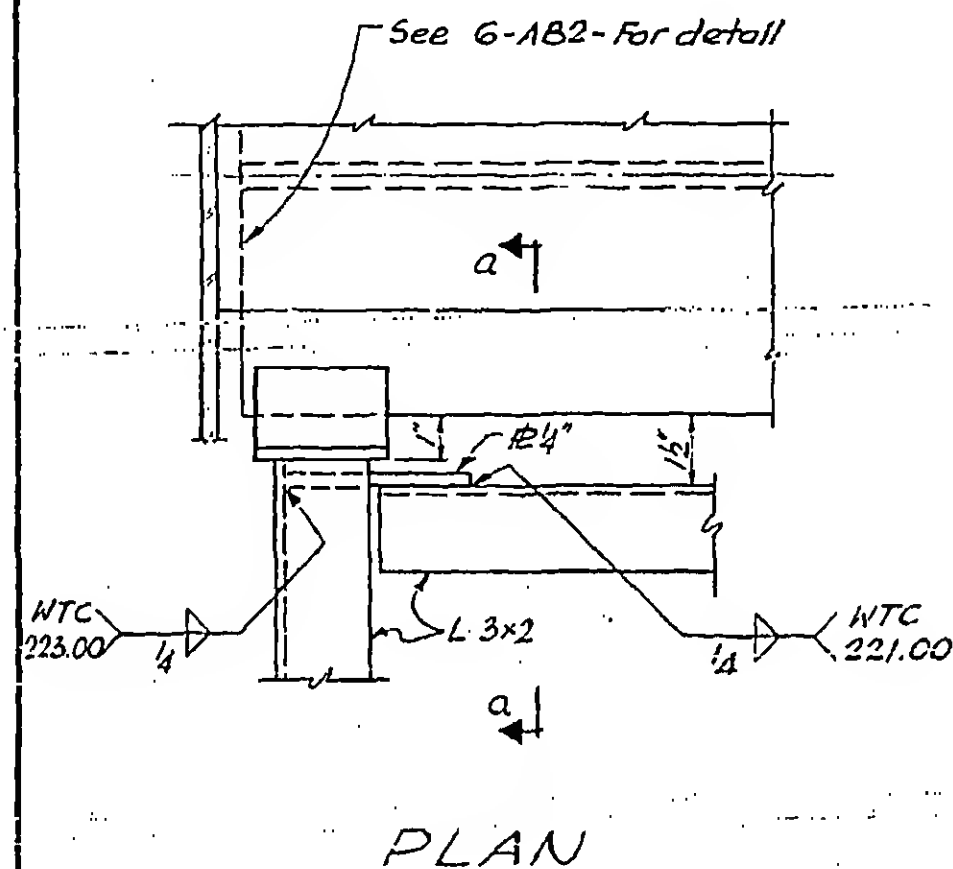
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

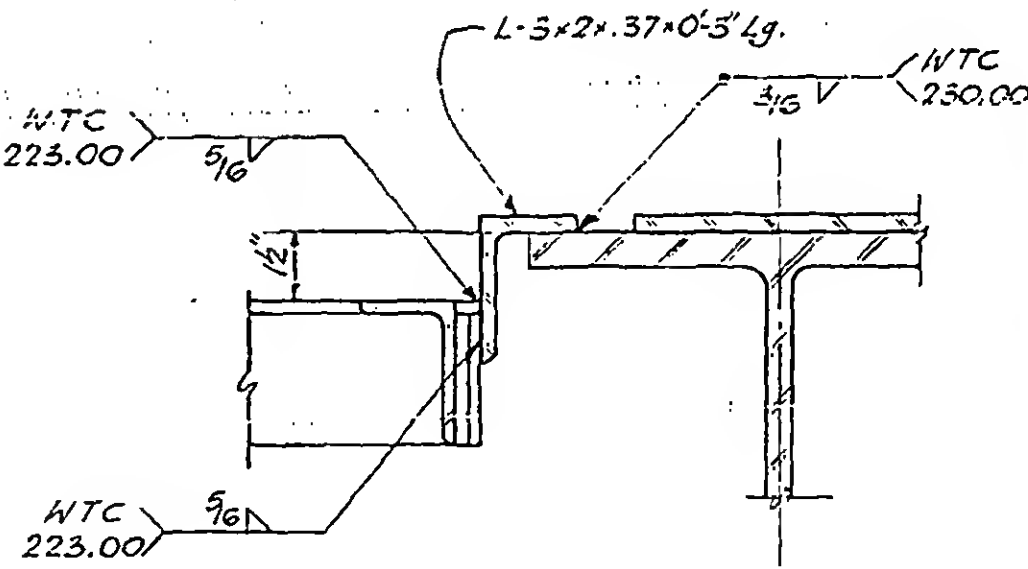
TITLE FLOOR PANEL - DETAIL E 65 A

DATE 11-25-68

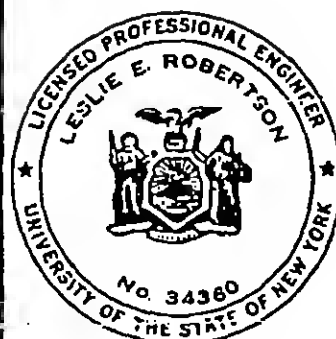
REVISIONS



L 3x2 Deck Bms Top El. same as Top El. W-F-Bms



L 3x2 Deck Bms. Top El. below El. W-F-Bms.



DESIGNED

DRAWN

REVIEWED

7-AB4-151

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

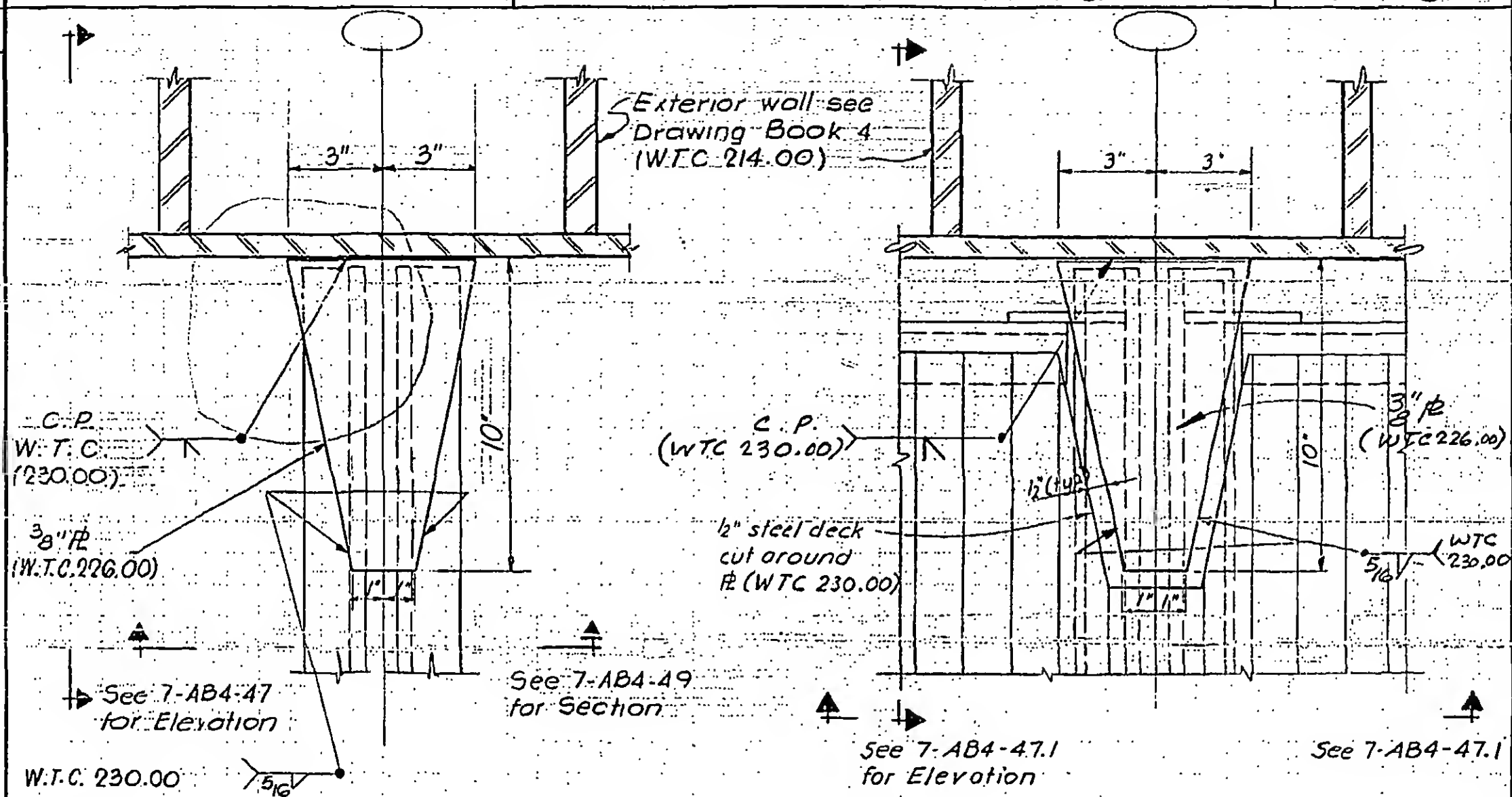
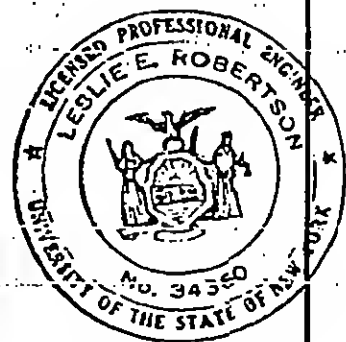
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL EGO &amp; E68

DATE 1-3-68

## REVISIONS

4-1-68  
7-22-68  
10-15-68

Detail EGODetail E68

7-AB4-46

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

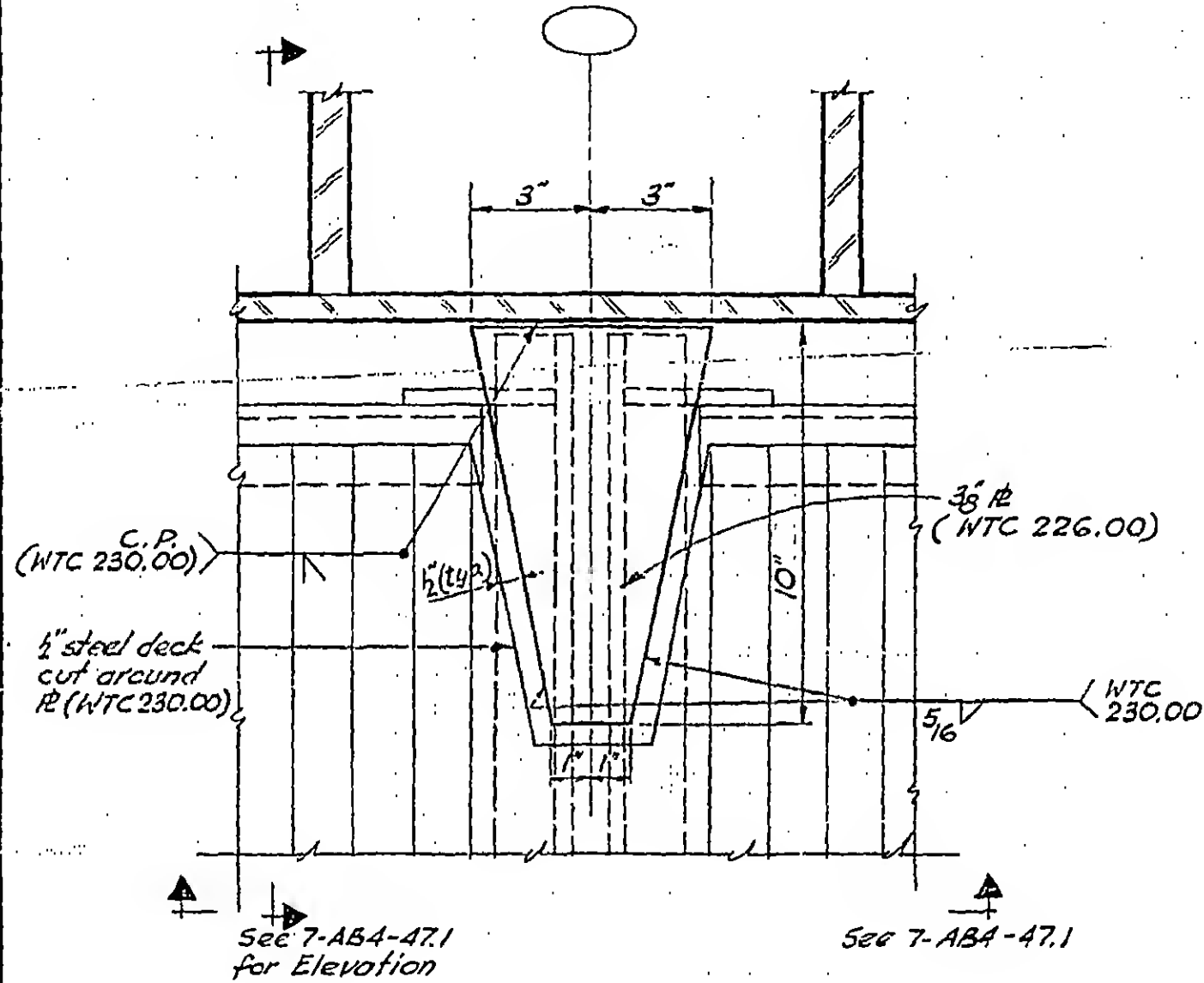
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

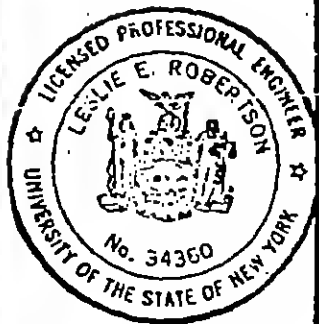
TITLE FLOOR PANEL - DETAIL E 68A

DATE 7-22-68

REVISIONS



Detail E 68A



DESIGNED

DRAWN

REVIEWED

95

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E60, E61, E62, E63, E64, E65, E66, E67

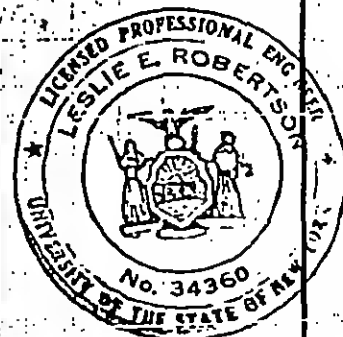
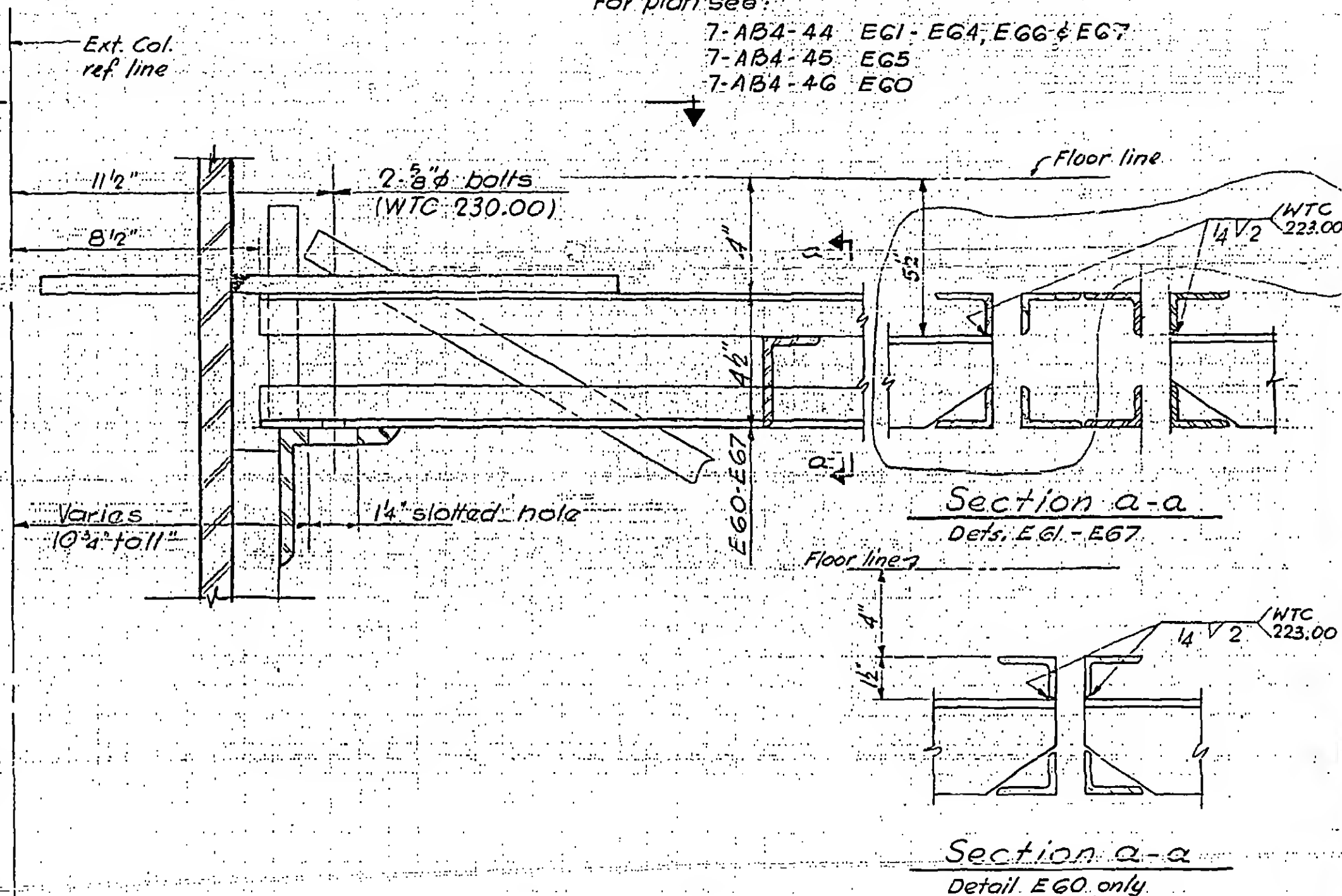
DATE 10-20-67

## REVISIONS

1-3-68  
4-1-68  
7-22-68

For plan see:

7-AB4-44 E61-E64, E66 & E67  
7-AB4-45 E65  
7-AB4-46 E60



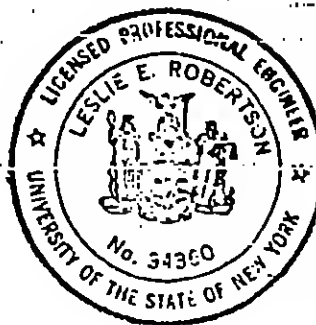
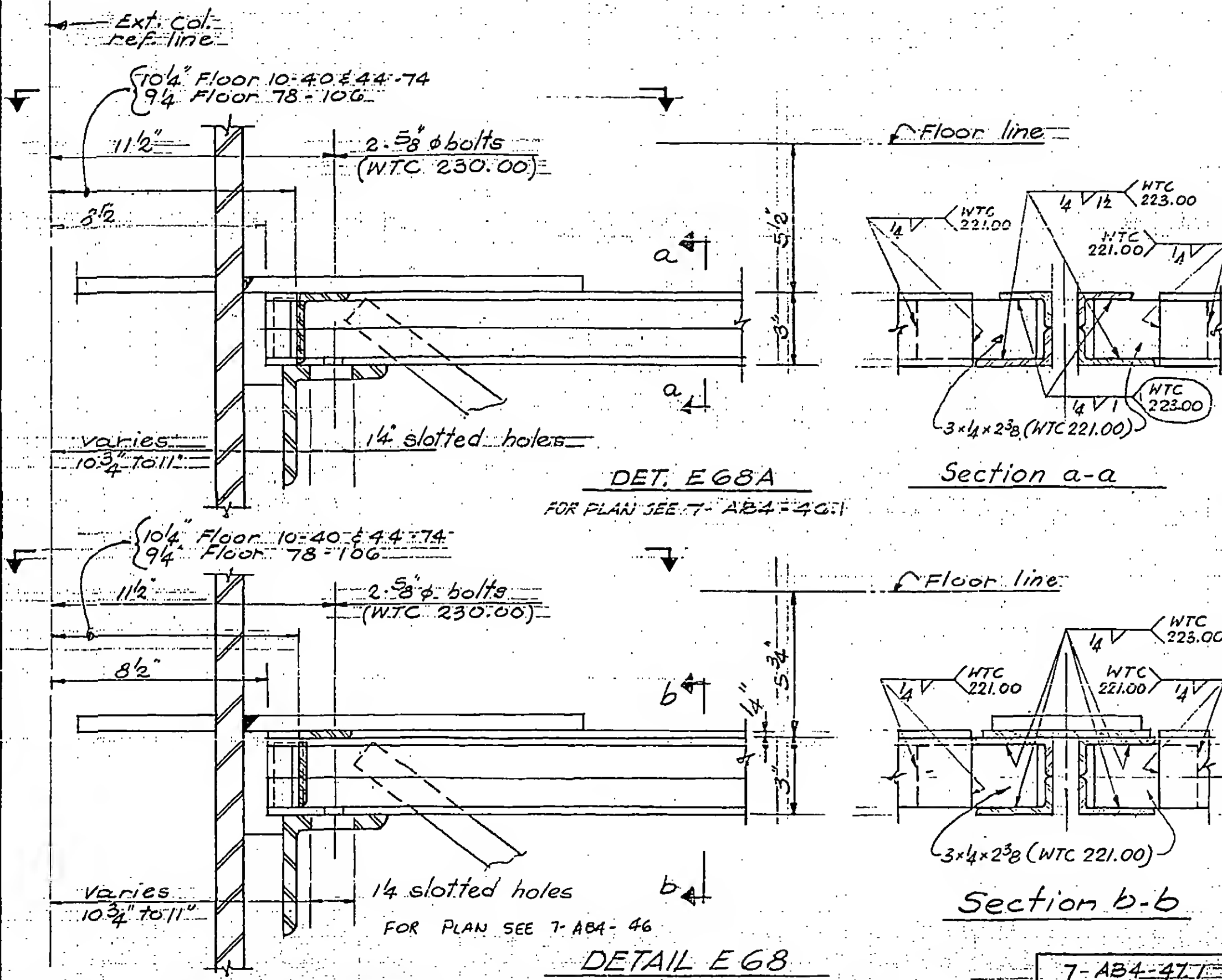


PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E68 &amp; E68A

DATE 4-1-68

## REVISIONS

7-22-68  
10-15-68

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

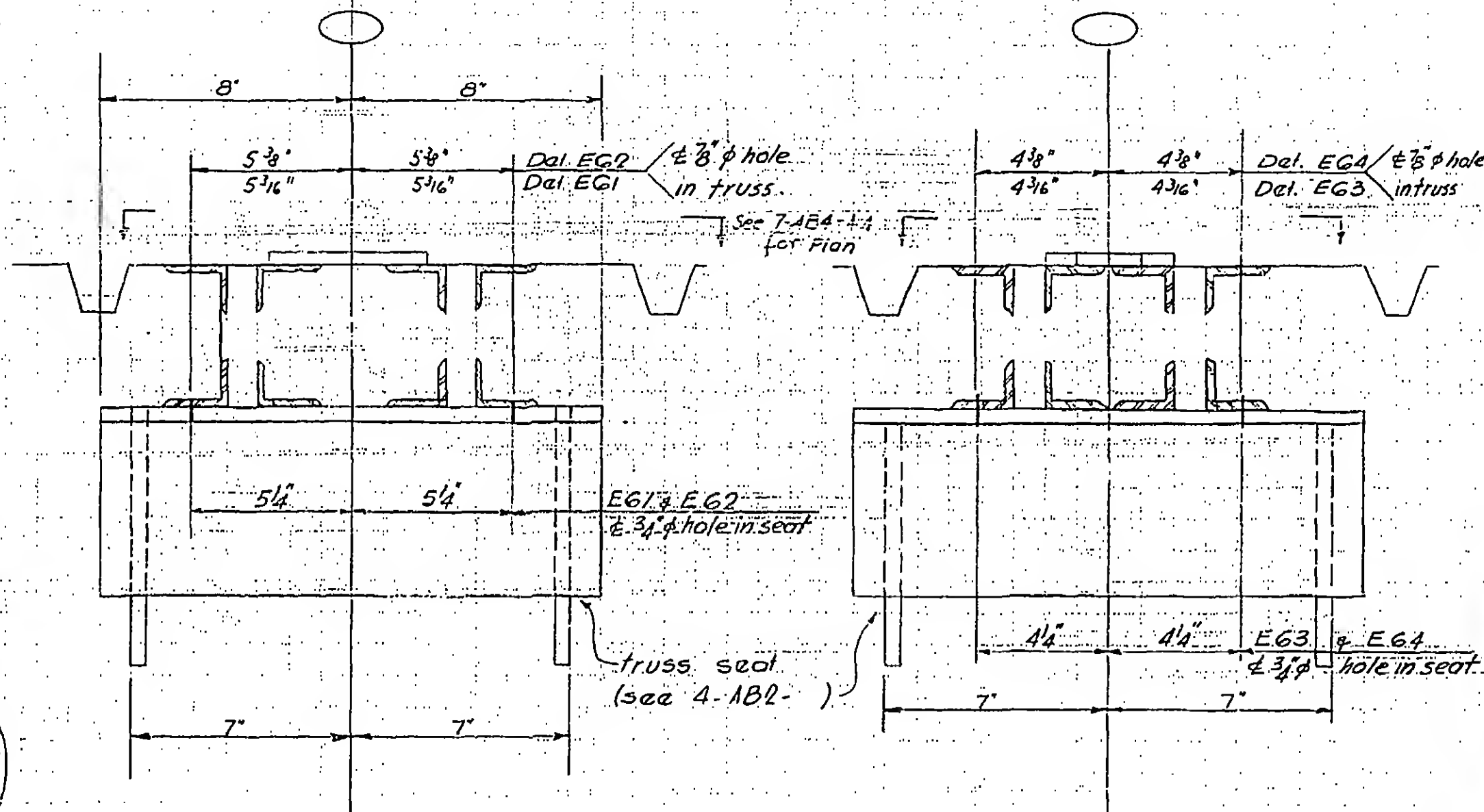
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL EGI, EG2, EG3 & EG4

DATE 10-20-67

REVISIONS

1-3-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural &amp; Civil Engineers

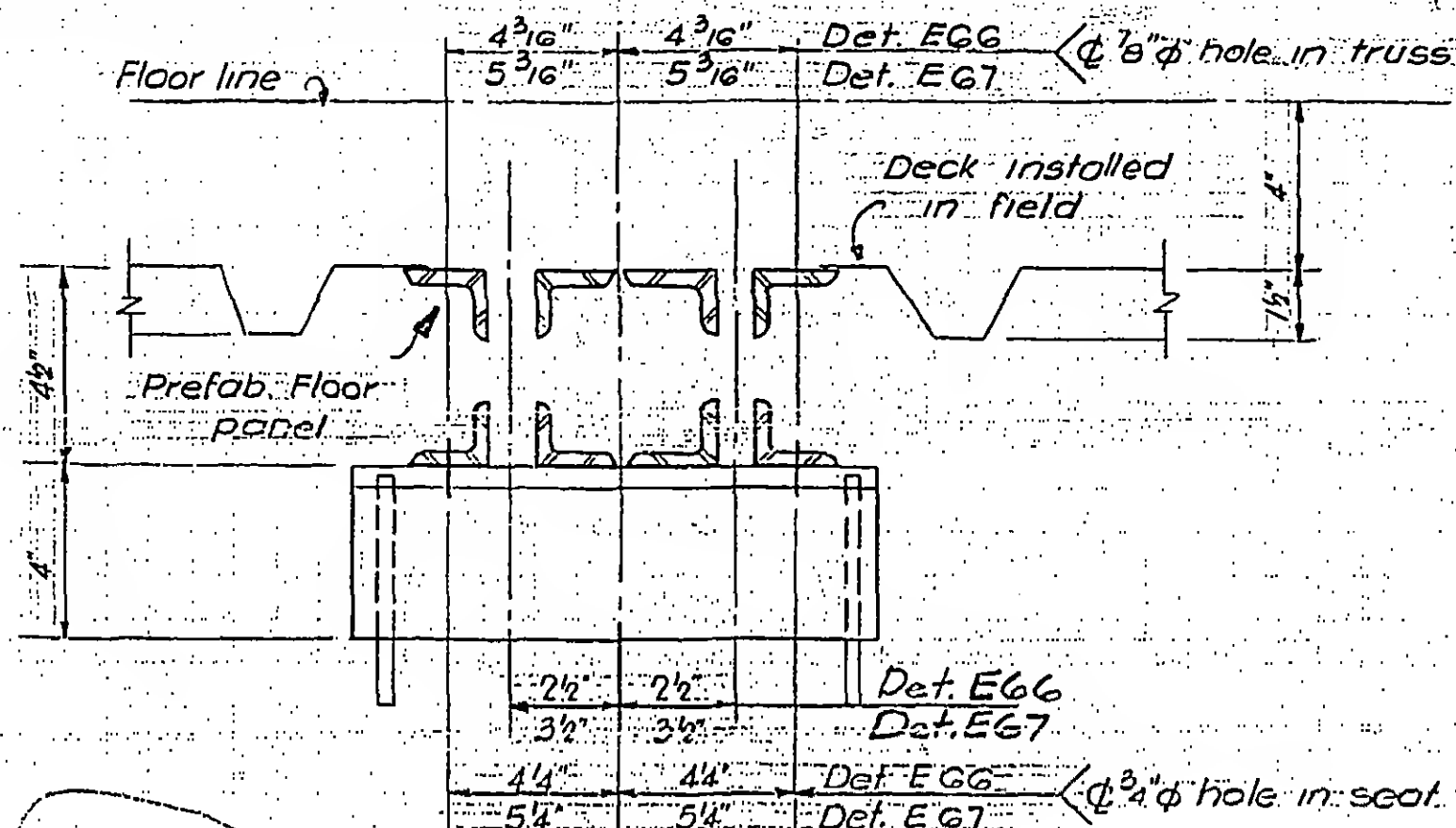
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL EGO, EGG, EG7

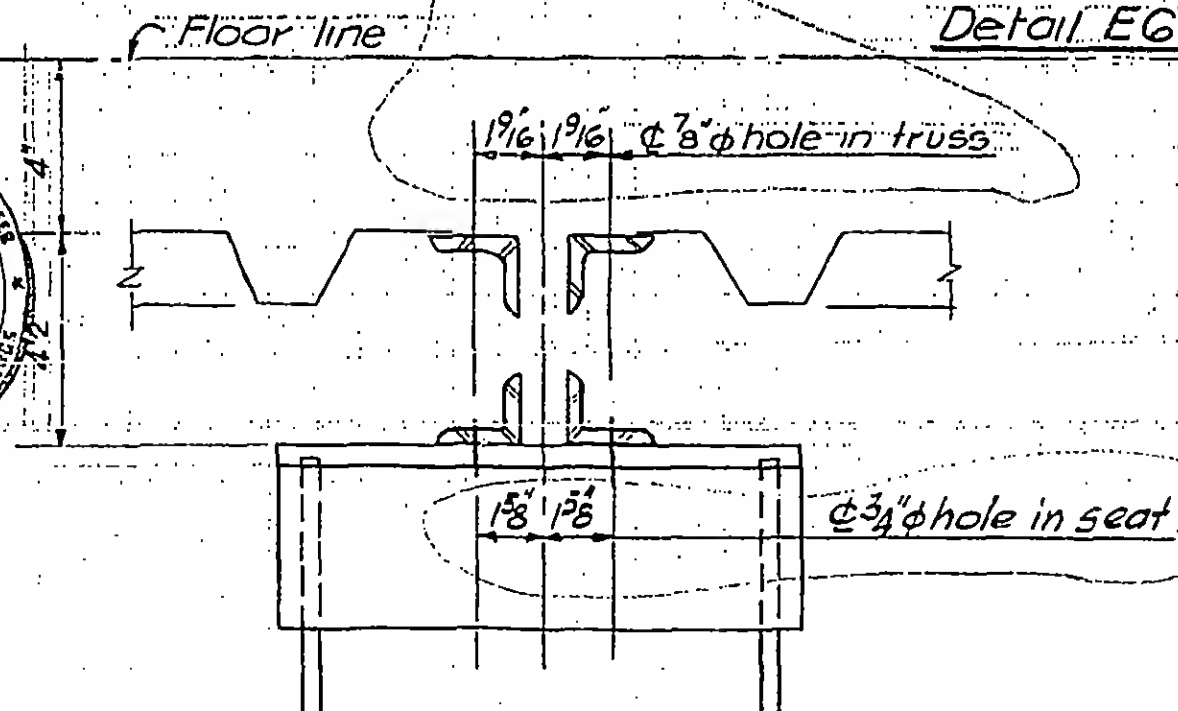
DATE 10-20-67

## REVISIONS

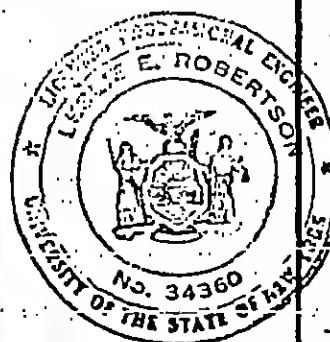
1-3-68  
4-1-68  
7-22-68



Detail EGG &amp; EG7



Detail EGO



7-AB4-49

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

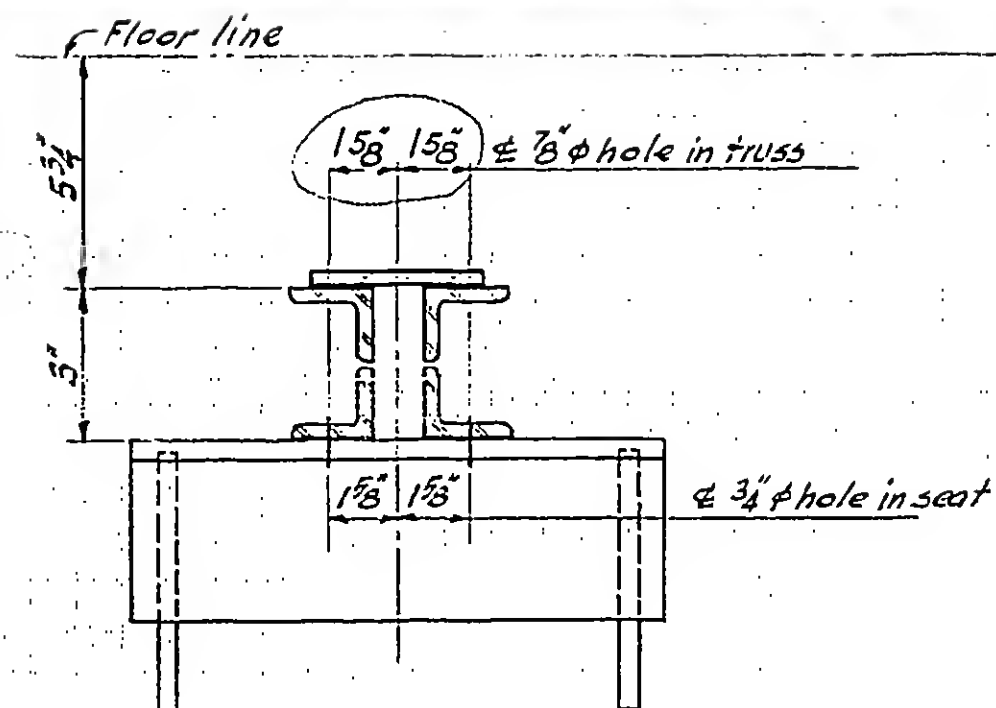
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E68 & E68A

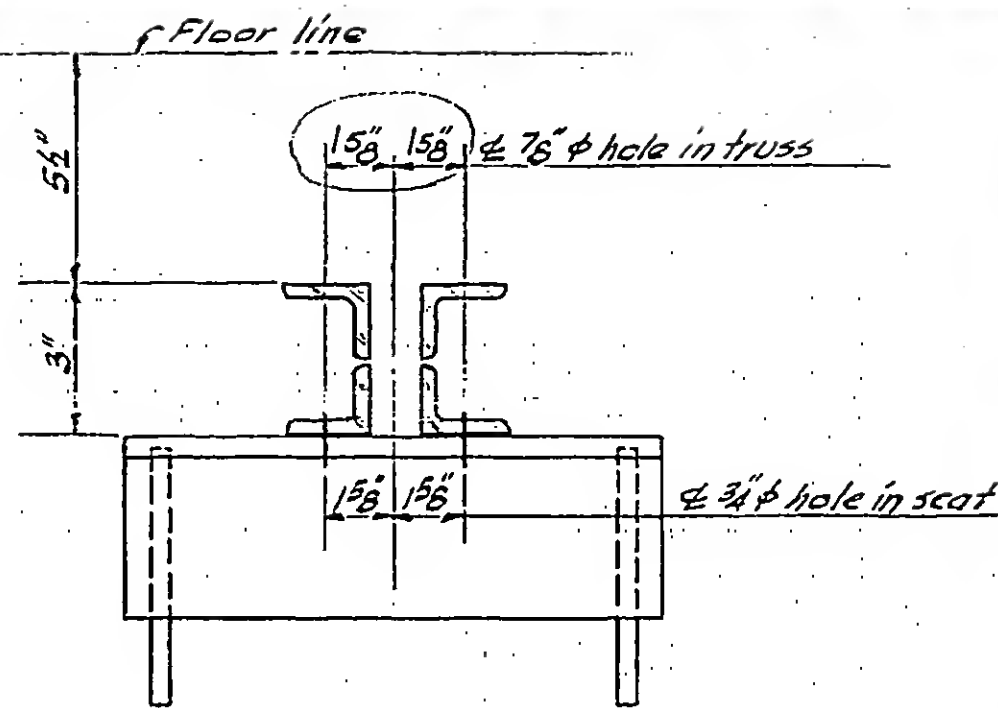
DATE 7-22-68

REVISIONS

10-15-68



Detail E68



Detail E68A



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7-AB4-49.1

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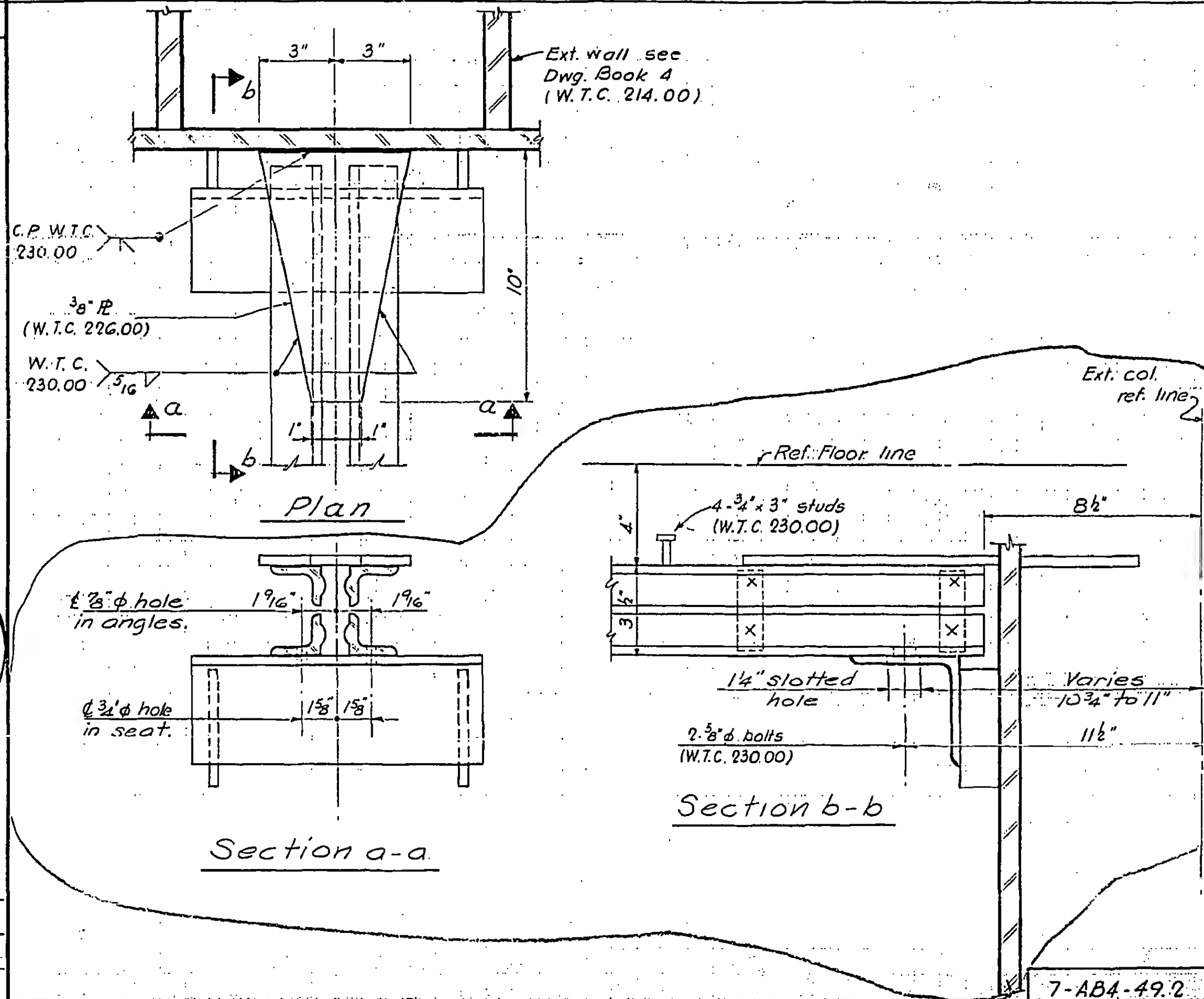
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 69

DATE 8-15-68

REVISIONS

10-4-68





SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

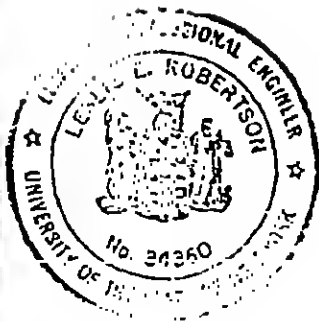
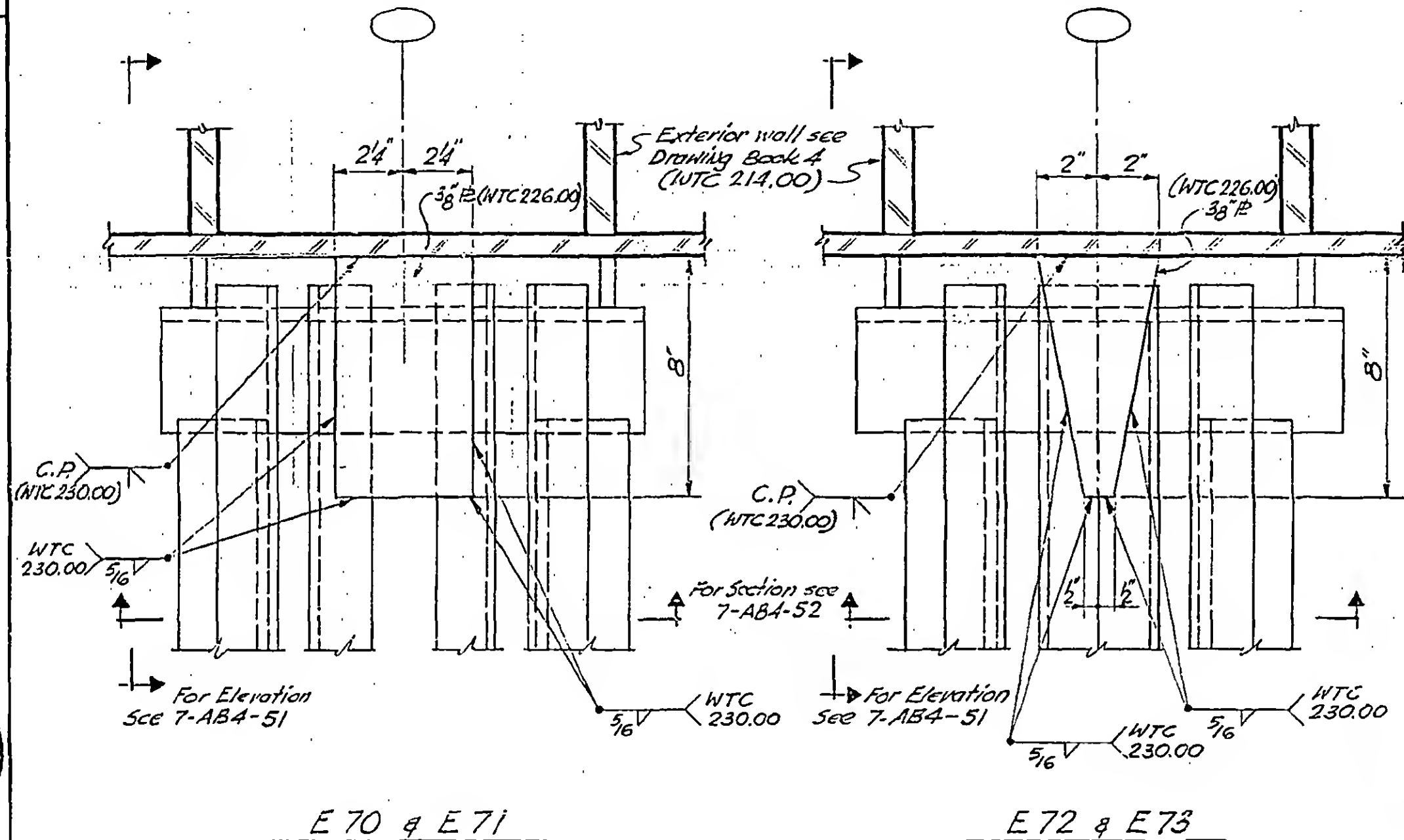
Structural &amp; Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E70, E71, E72, E73

DATE 8-1-68

## REVISIONS



DESIGNED

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7-AB4-50

SKILLING, HELLE. CHRISTIANSEN, ROBERTSON

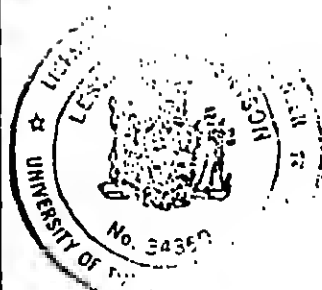
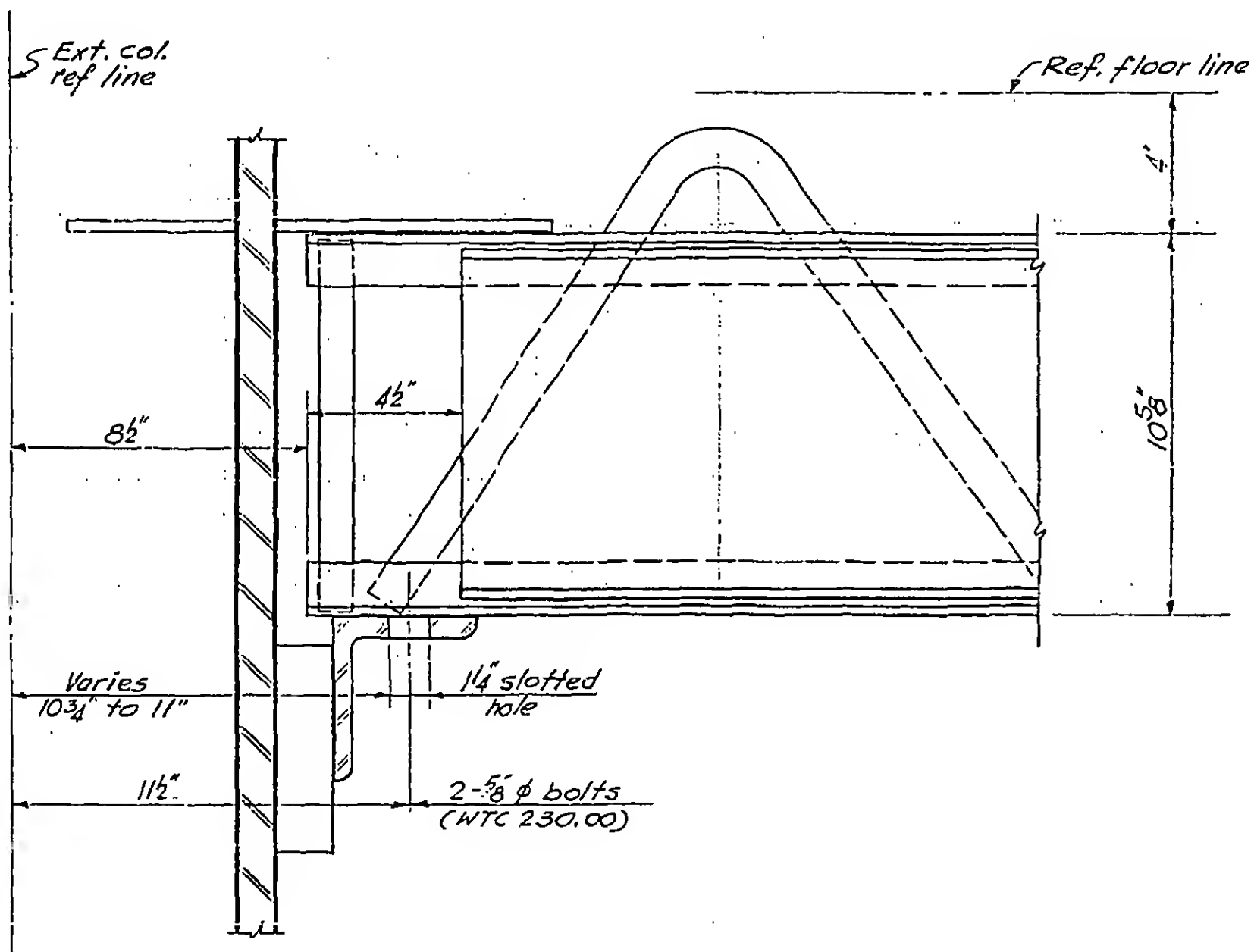
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E70, E71, E72, E73

DATE 8-1-68

REVISIONS



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DRAWN

REVIEWED

7-AB4-51

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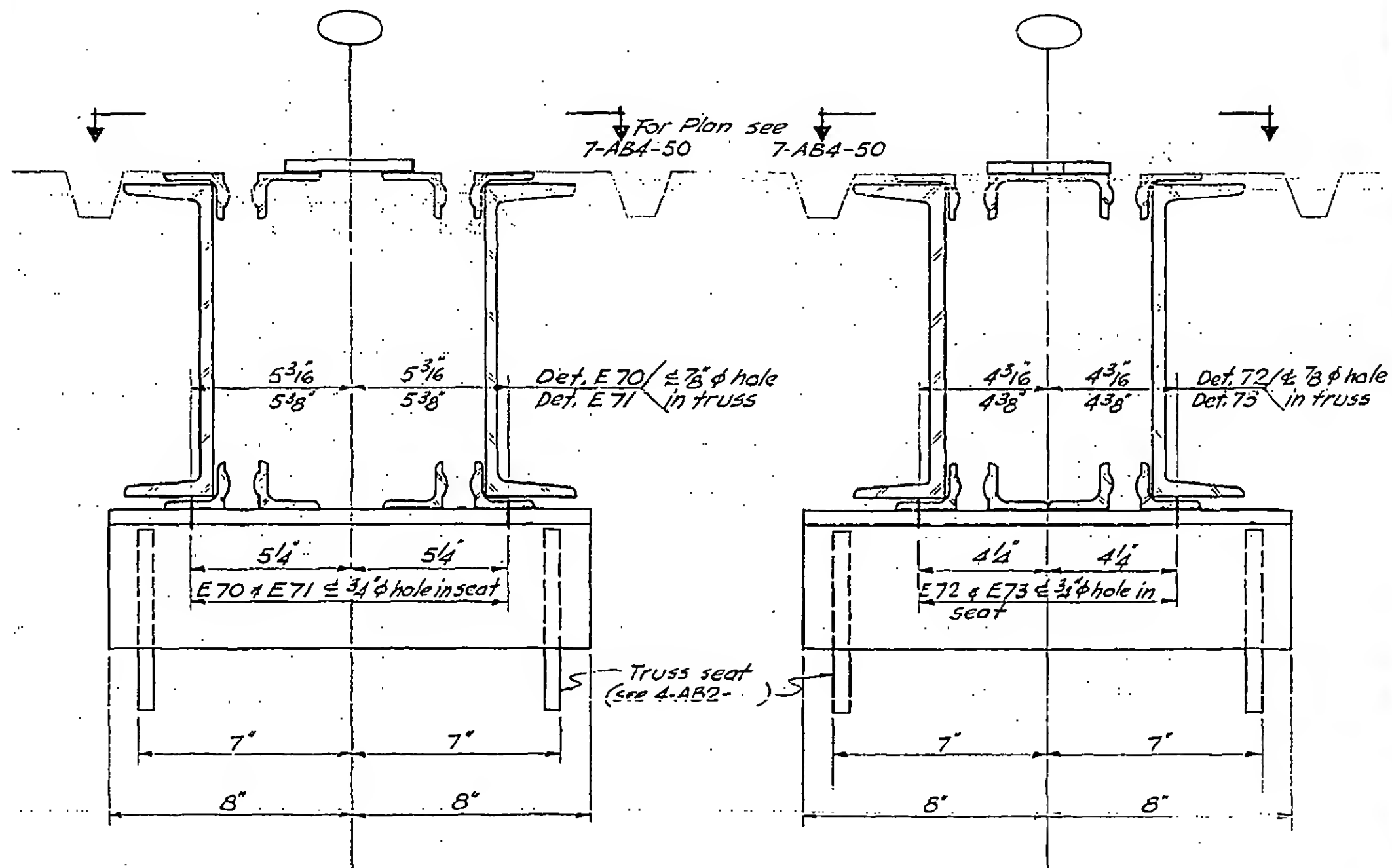
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PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E70, E71, E72, E73

DATE 8-1-68

## REVISIONS



E70

E71

E72

E73

7-AB4-52



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DRAWN

REVIEWED

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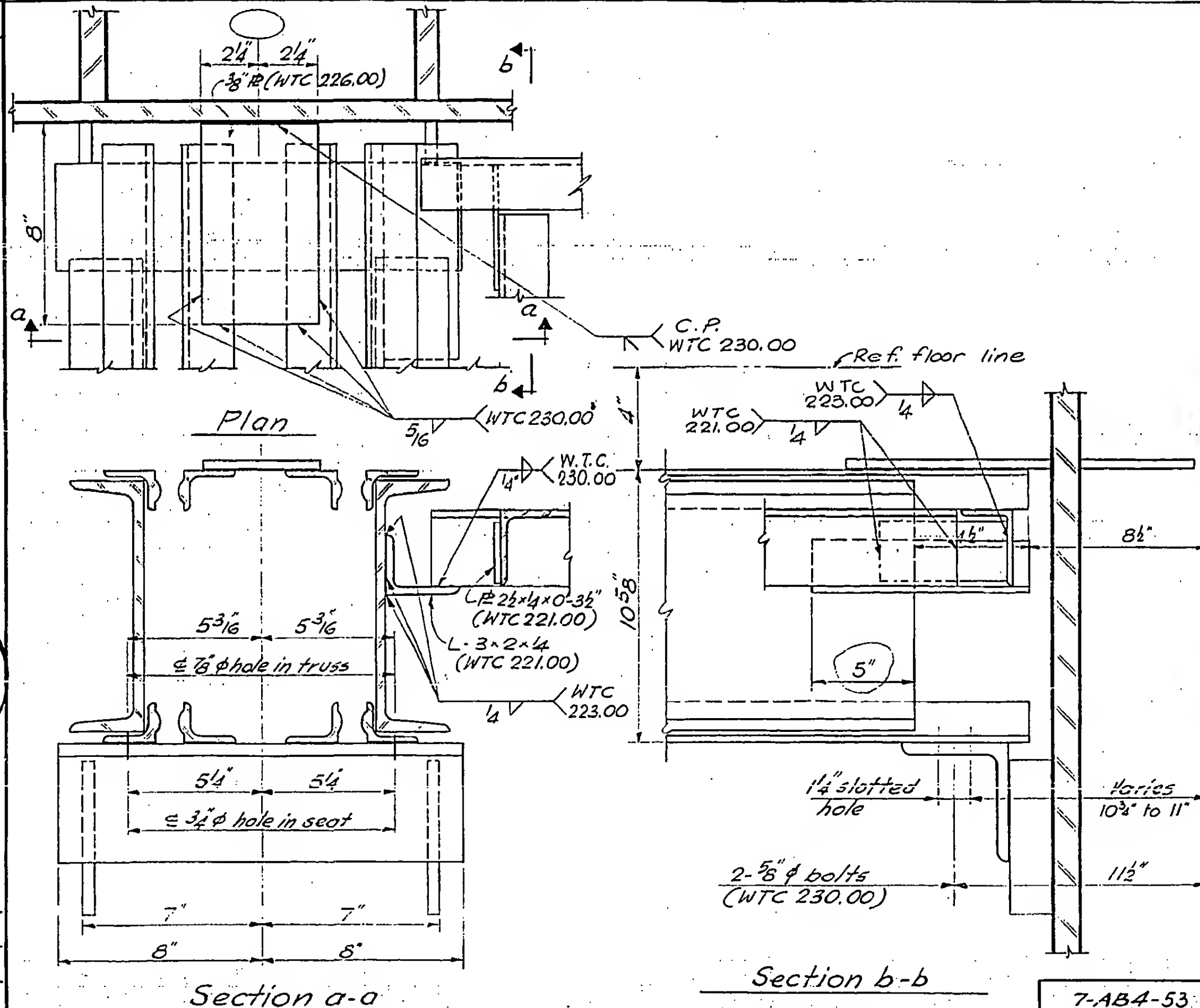
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 74

DATE 8-15-68

## REVISIONS

10-4-68



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7-AB4-53

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PROJECT

THE WORLD TRADE CENTER

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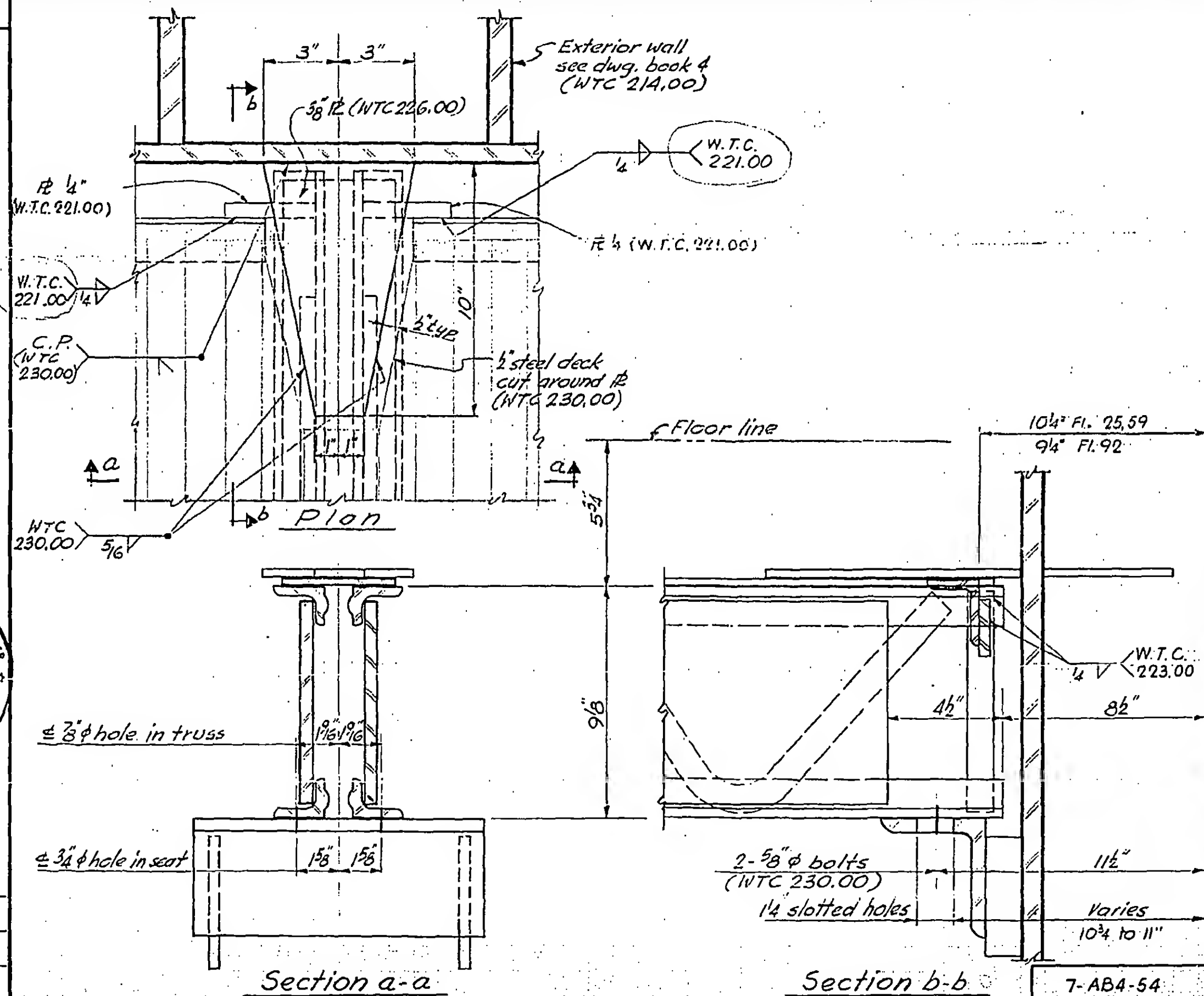
FLOOR PANEL - DETAIL E 75

DATE \_\_\_\_\_

8-15-68

## REVISIONS

10-4-68



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**DRAWN**

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7-AB4-54



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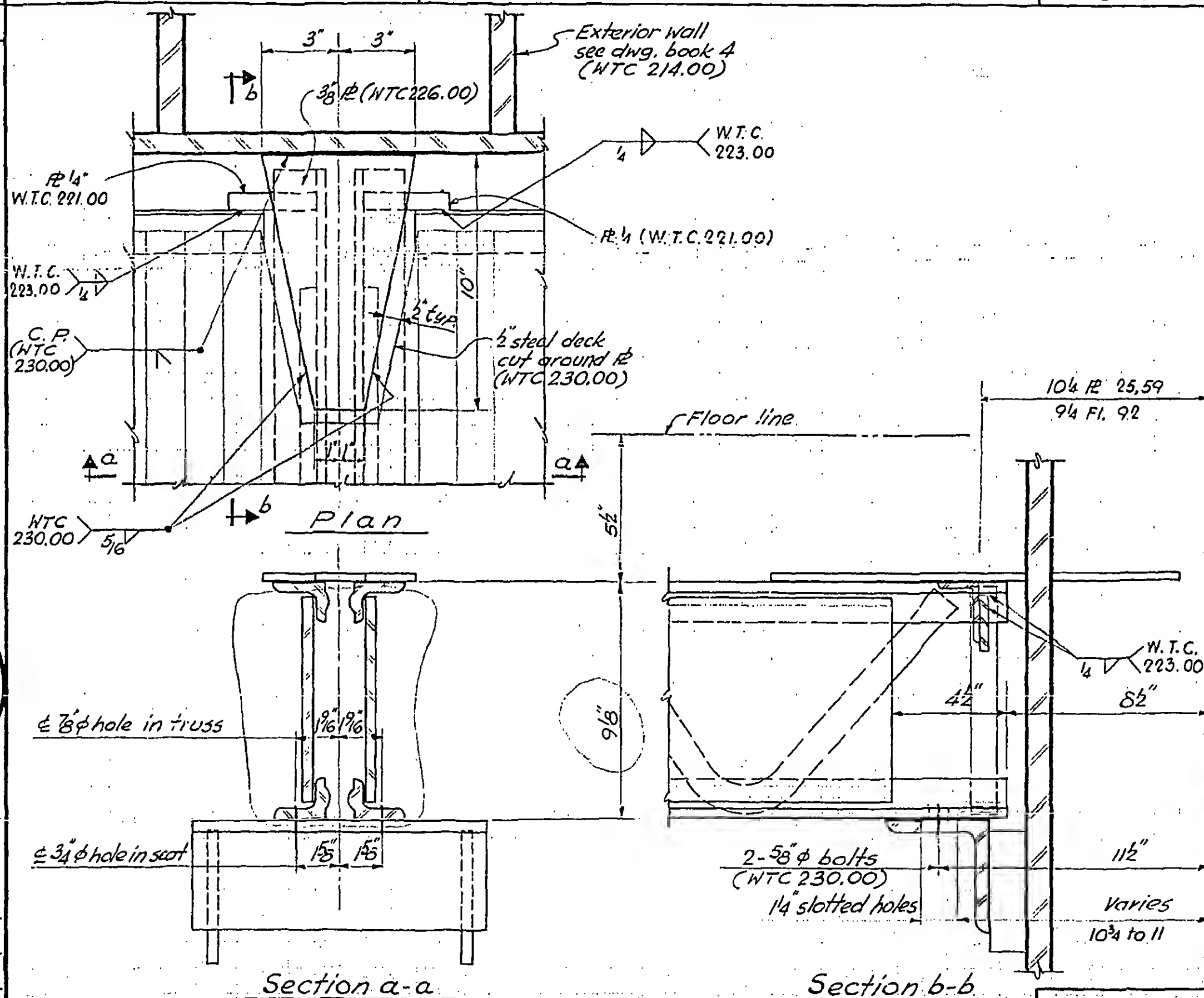
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E75A

DATE 8-15-68

REVISIONS

10-4-68



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DRAWN

REVIEWED

7-AB4-55

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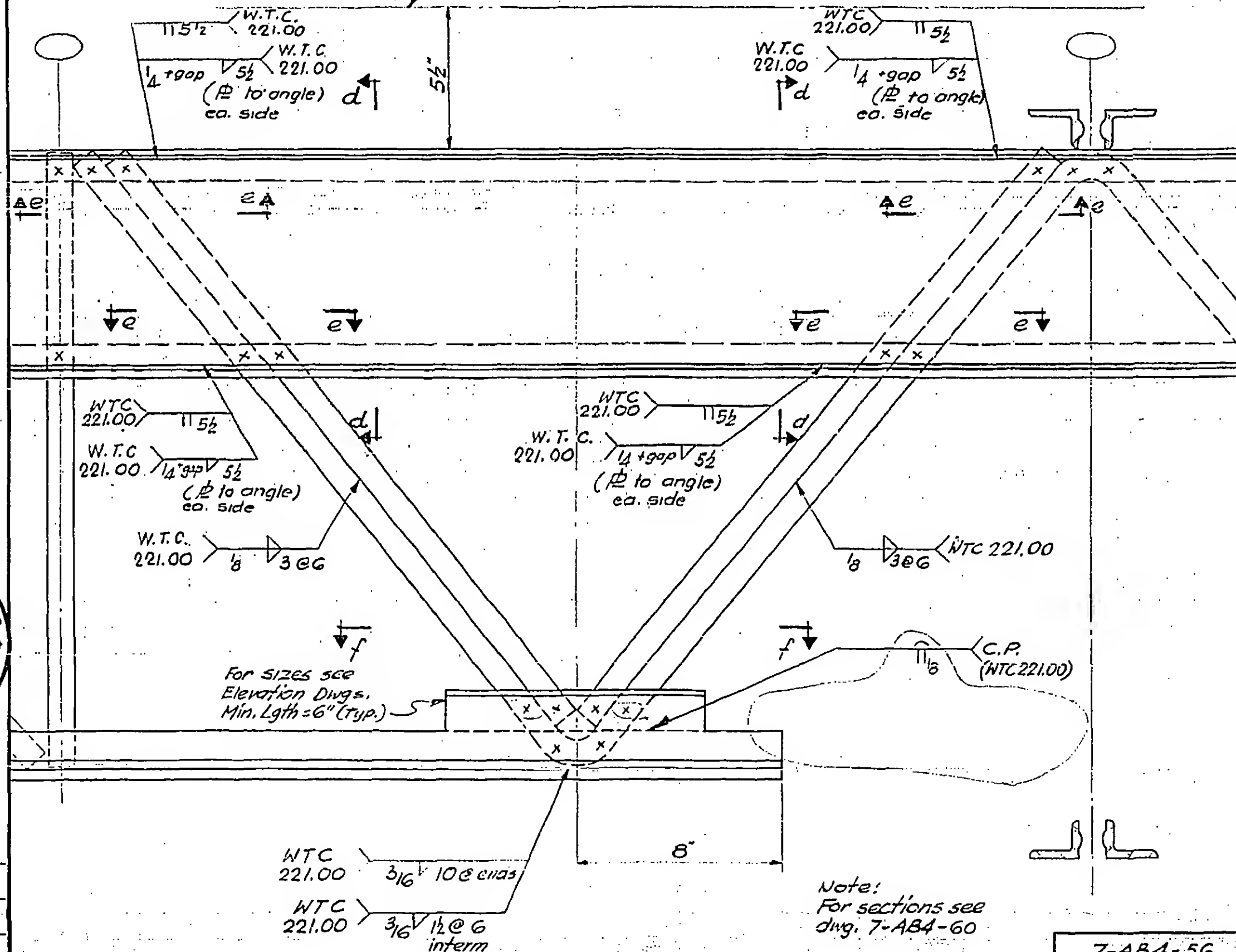
TITLE FLOOR PANEL - DETAIL E 76

DATE 8.15.68

## REVISIONS

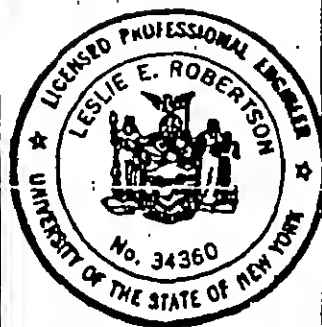
10-4-68

Ref. floor line



Note:  
For sections see  
dwg. 7-AB4-60

7-484-56



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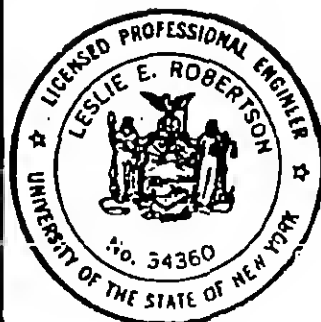
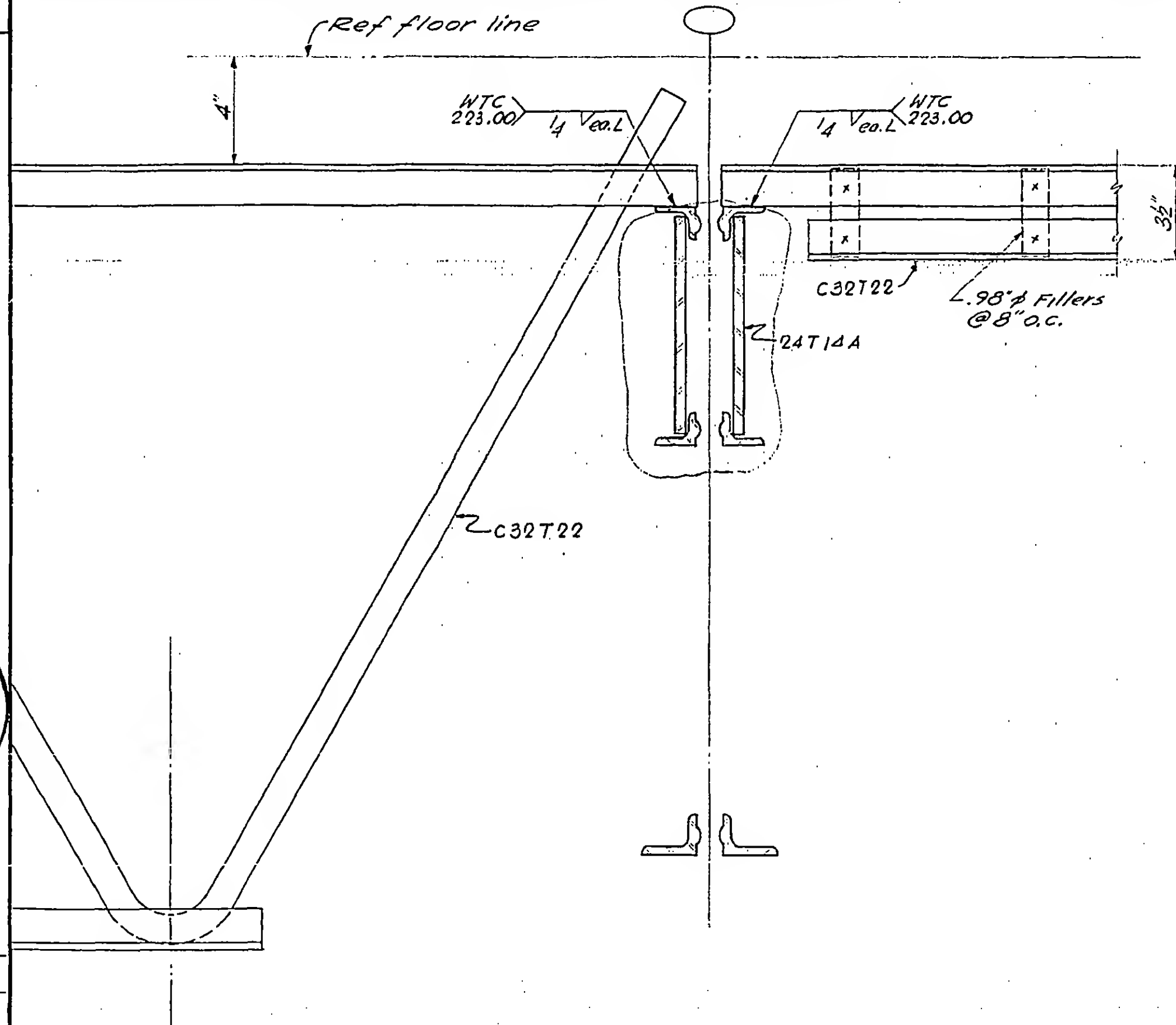
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E76

DATE 8-15-68

REVISIONS

10-4-68



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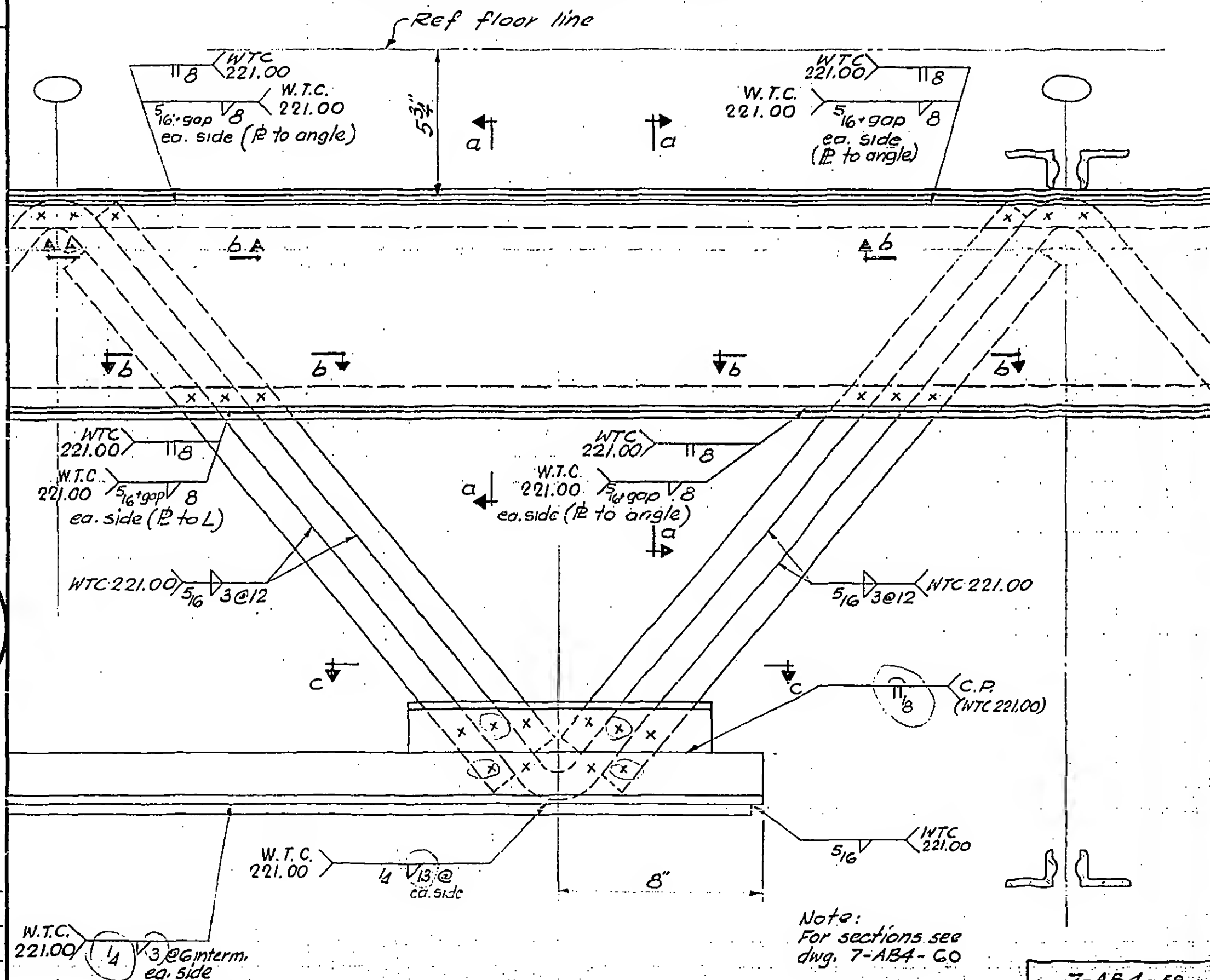
7-AB4-57

## Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E 76 A, E 76 B

DATE 8-15-68

10-4-68



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Note:  
For sections see  
dwg. 7-ABA-60

7-AB4-58

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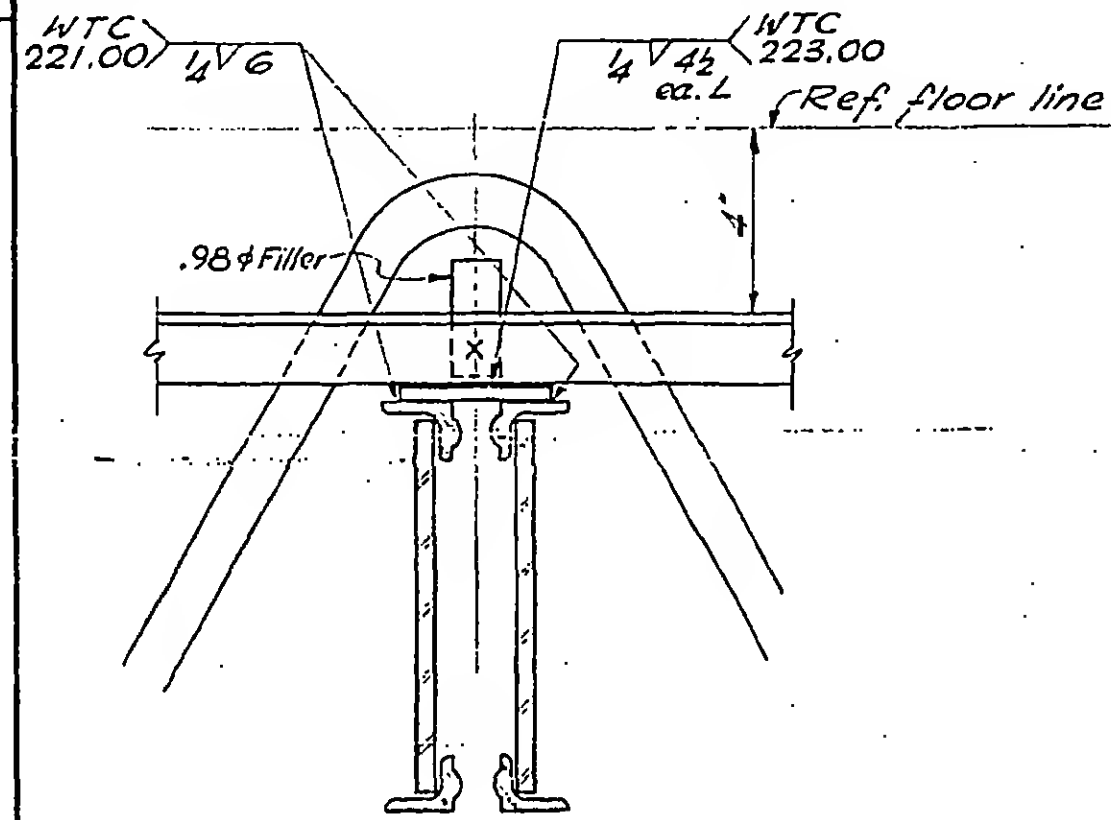
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E 76A, E 76B, E 77

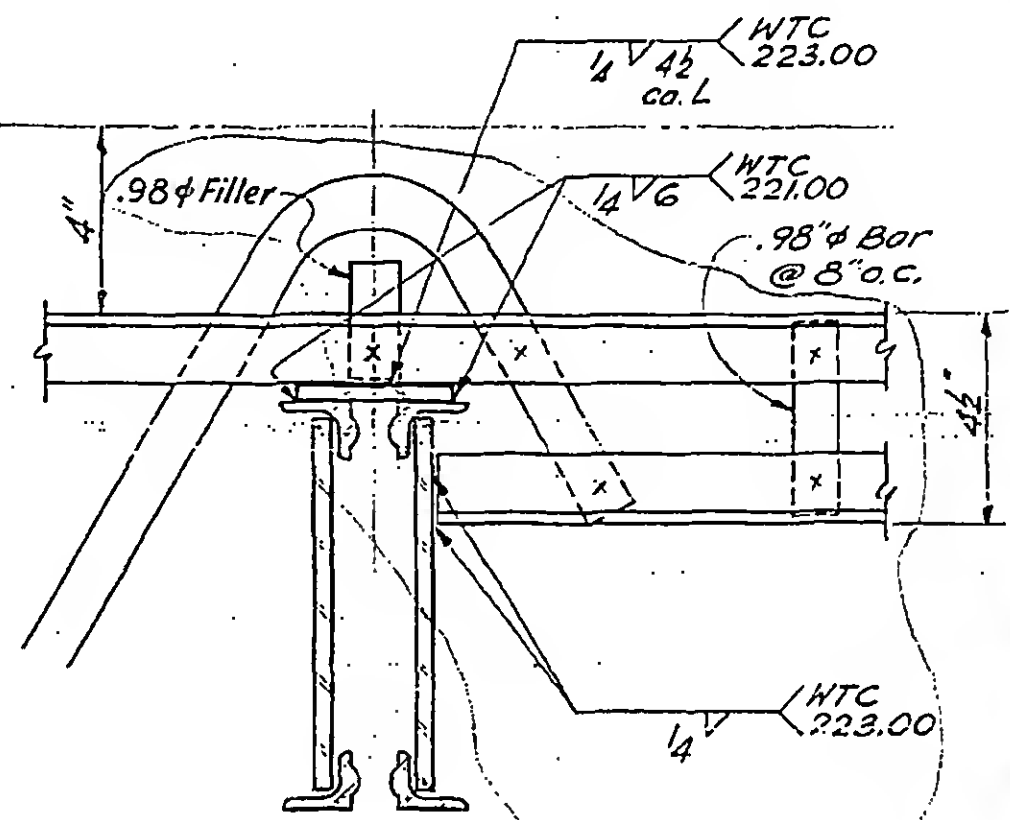
DATE 8-15-68

REVISIONS

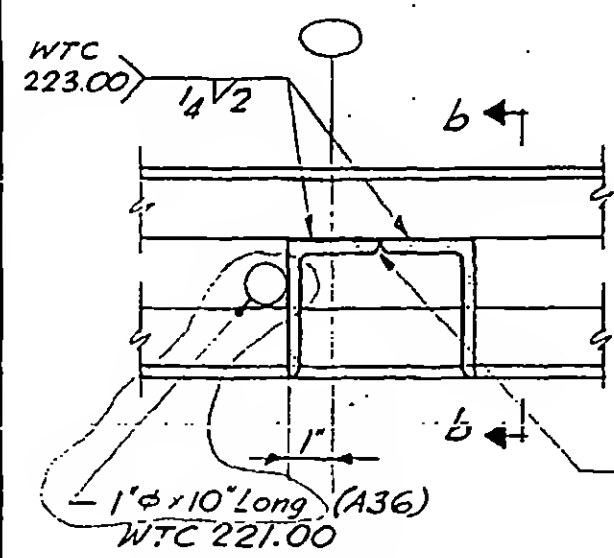
10-4-68



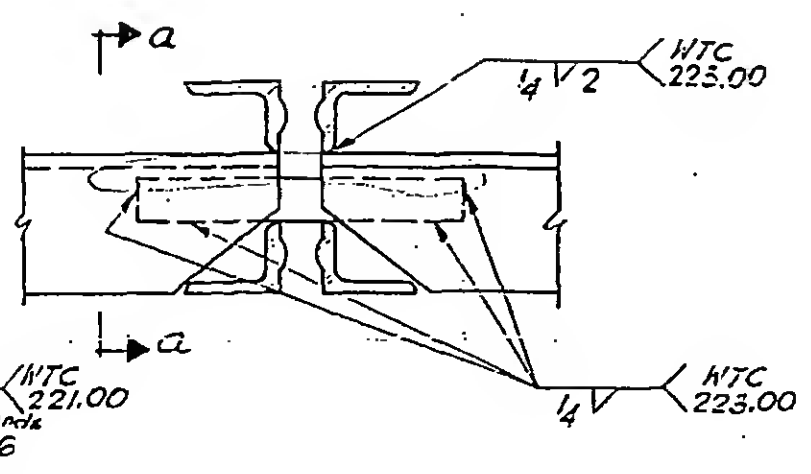
E 76A



E 76B



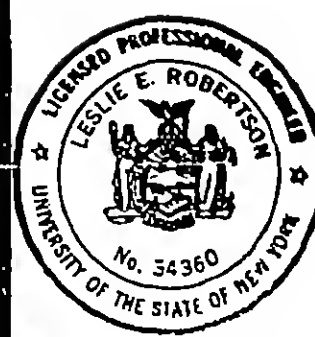
Section a-a



Section b-b

Detail E 77

For plan see Det. E 42 (7-AB4-23)



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7-AB4-59



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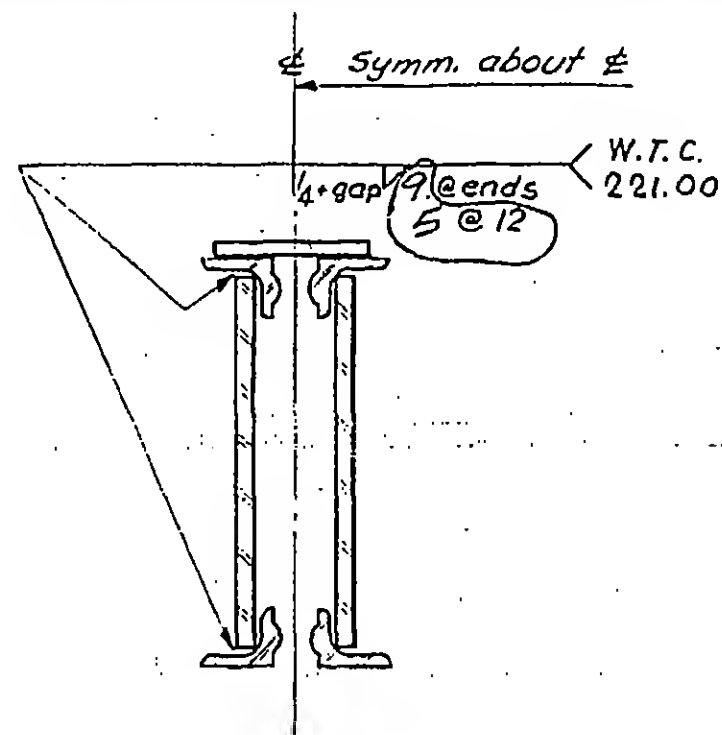
TITLE FLOOR PANEL - DETAIL E76, E76A, E76B

DATE 8-15-68

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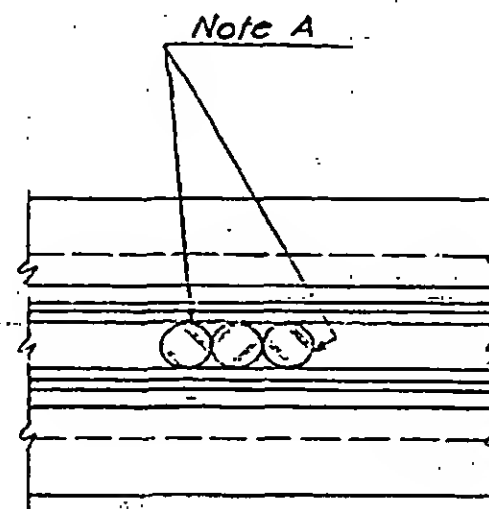
10-4-68  
7-28-70

Note A: Add arc welding as reqd. to develop full strength of web bars.

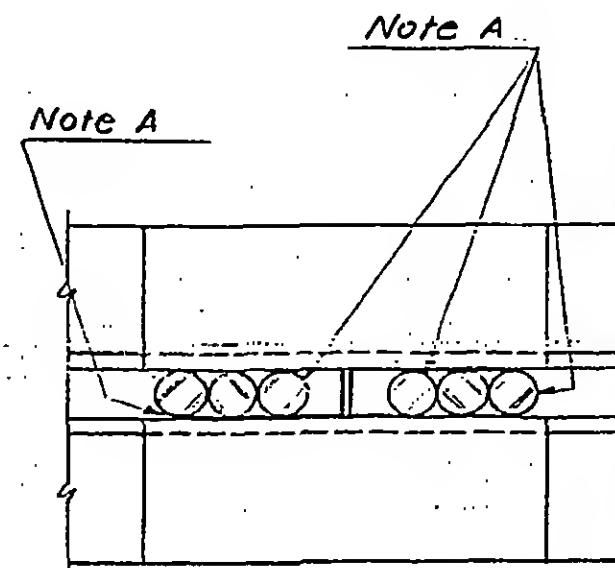


Section a-a

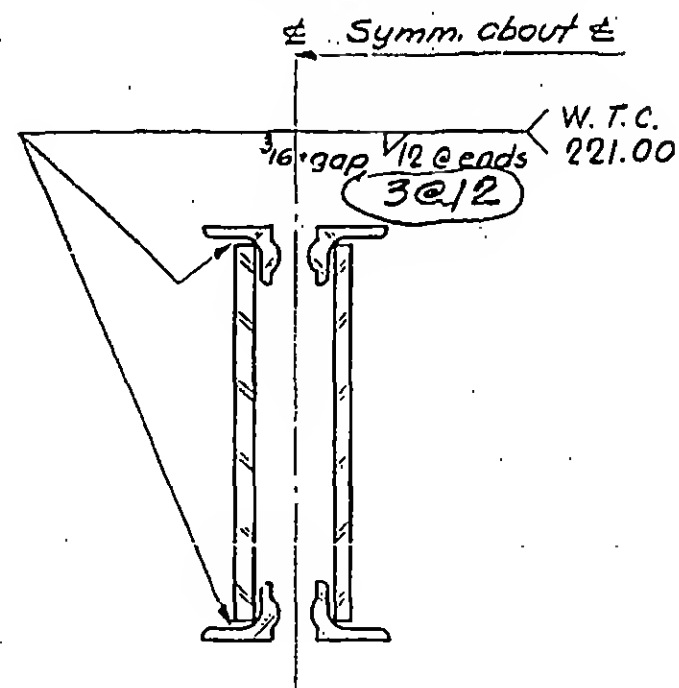
Note B: For additional J to L welding see detail E76-E76B



Section b-b

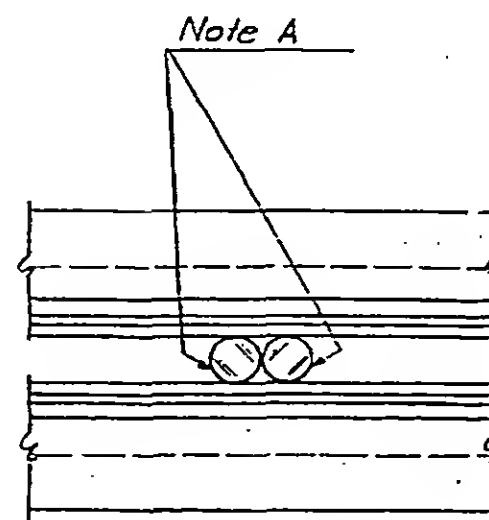


Section c-c

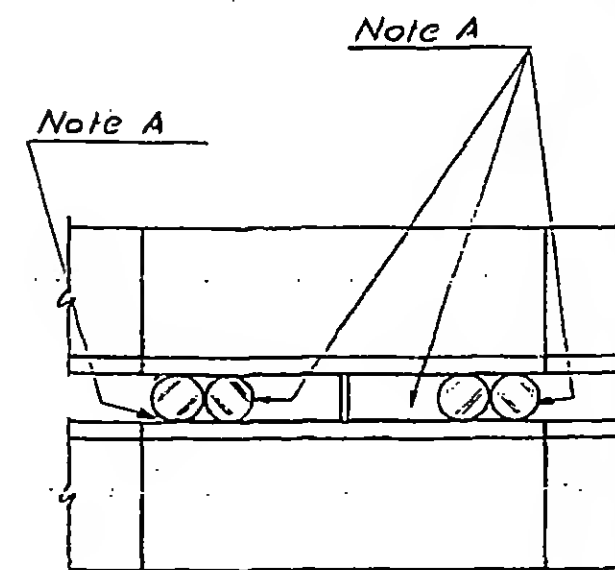


Section d-d

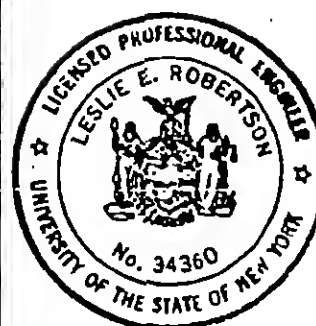
See Note B



Section e-e



Section f-f



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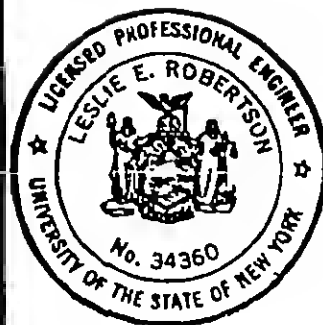
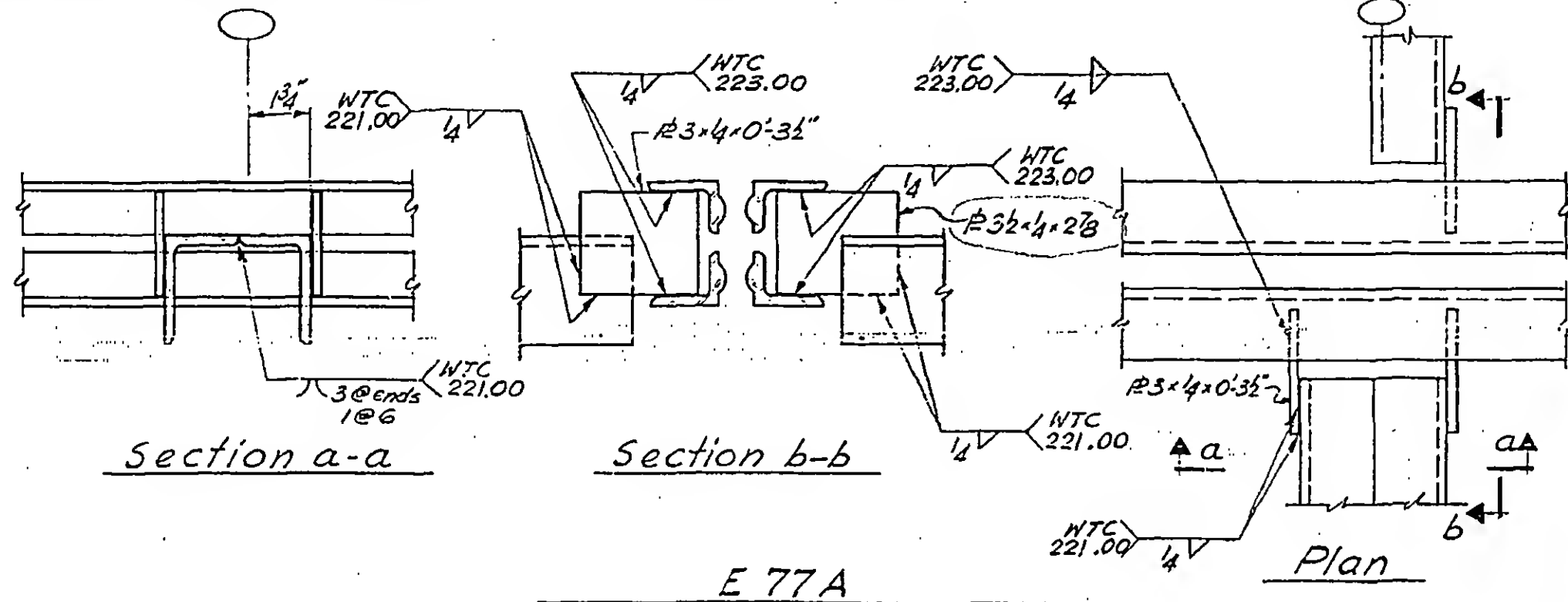
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TITLE DETAIL E 77A

DATE 8-15-68

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10-4-68



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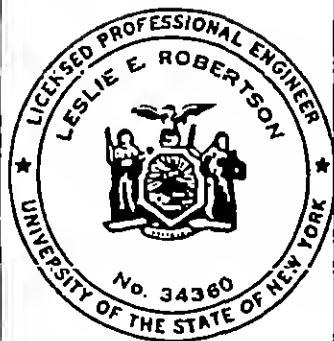
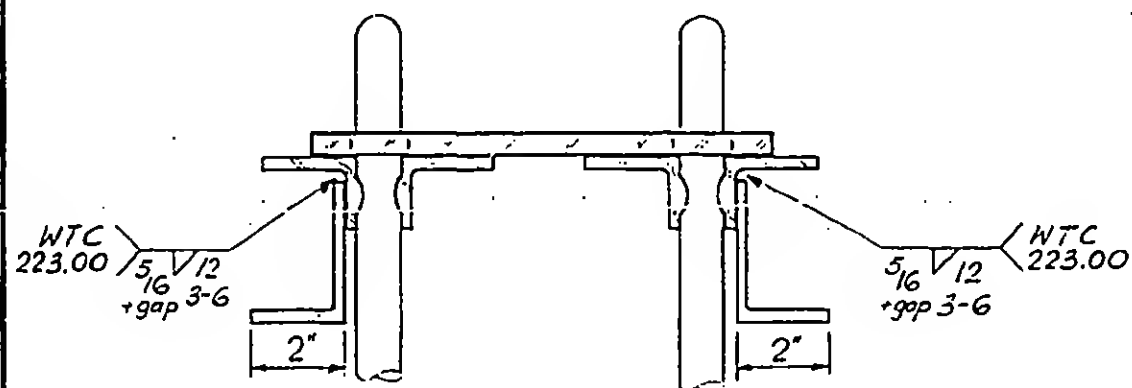
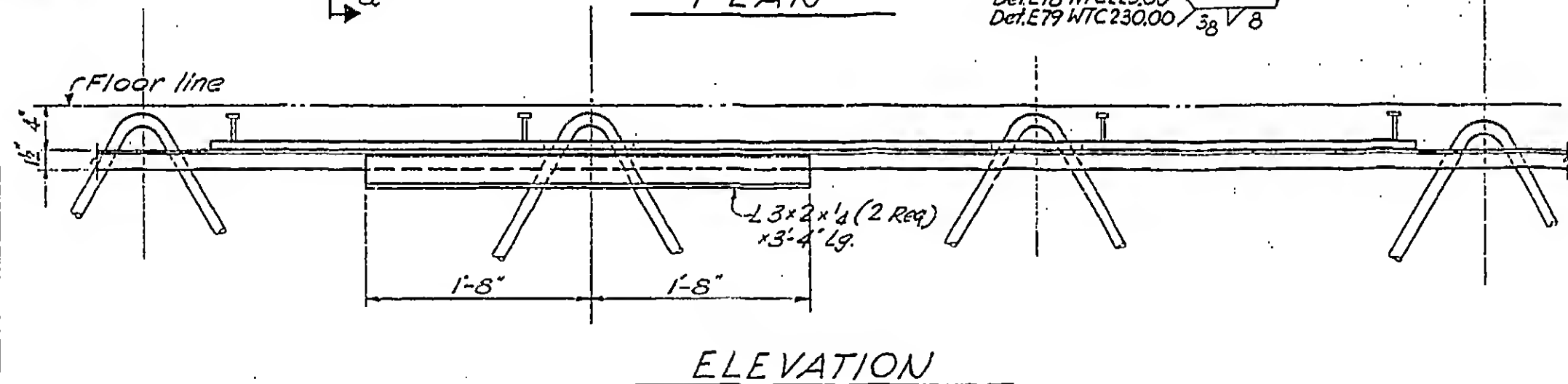
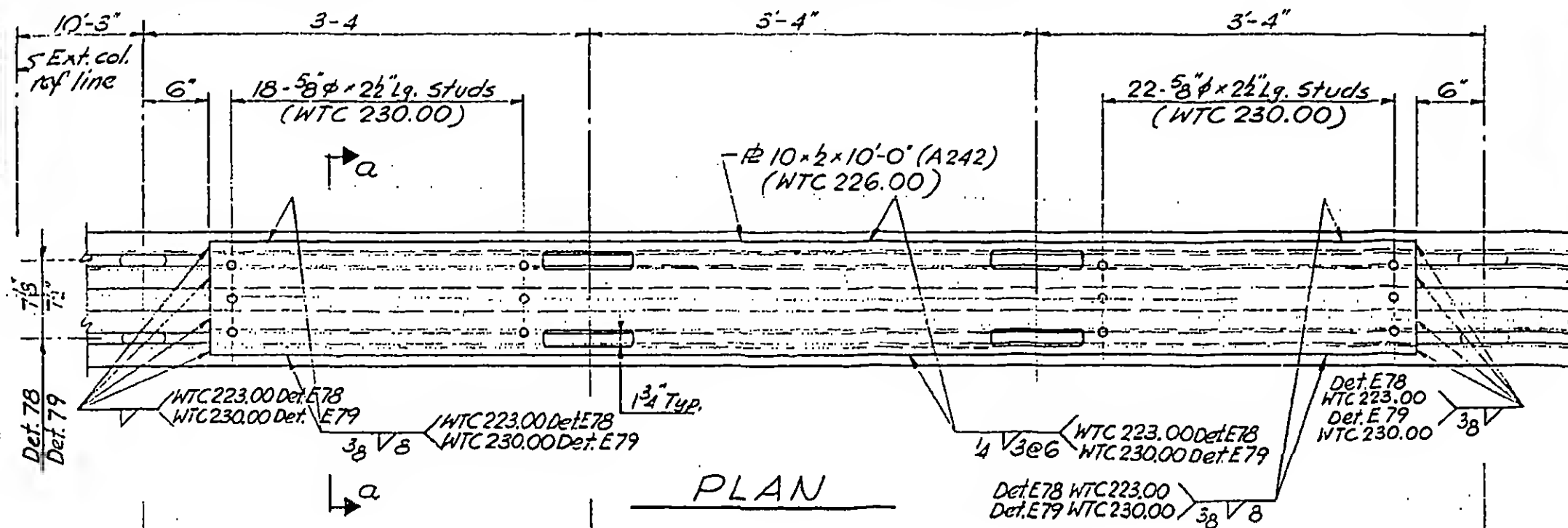
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PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E78, E79

DATE 1-6-69

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